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DEPARTMENT OF COMMERCE AND LABOR
COAST AND GEODETIC SURVEY
O. H. TITTMANN, SUPERINTENDENT

RESULTS OF OBSERVATIONS MADE AT THE COAST AND
GEODETIC SURVEY MAGNETIC OBSERVATORY
AT VIEQUES, PORTO RICO
1907 AND 1908

BY

DANIEL L. HAZARD
Computer, Division of Terrestrial Magnetism



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CONTENTS.

	Page.
Introduction.....	5
Location and buildings.....	6
Instruments.....	8
Instrumental constants of the magnetograph.....	8
Absolute observations and base-line values.....	10
Diurnal variation.....	16
Summary of monthly and annual means.....	23
Hourly values of declination.....	24
Hourly values of horizontal intensity.....	48
Hourly values of vertical intensity.....	72
Earthquakes.....	96
Magnetic storms.....	98

ILLUSTRATIONS.

	Page.
FIG. A. Plan of observatory grounds.....	5
FIG. B. Variation building.....	6
FIG. C. Seismograph house and office building.....	7
FIGS. 1-18. Reproductions of the magnetograms showing the principal magnetic disturbances in 1907 and 1908.	98

RESULTS OF OBSERVATIONS MADE AT THE COAST AND GEODETIC SURVEY MAGNETIC OBSERVATORY AT VIEQUES, PORT RICO, 1907-8.

INTRODUCTION.

Latitude, $18^{\circ} 08' .8$ N. Longitude, $65^{\circ} 26' .9$ W. Elevation, 20 meters (65 feet).

In February, 1903, a magnetograph was installed in a room in Fort Isabel Segunda. on Vieques Island, Porto Rico, and observations were continued there until April, 1907. At that time suitable buildings had been constructed for the observatory work, and the magnetograph was transferred to the new site, about five-eighths of a mile to the west of the old fort. A

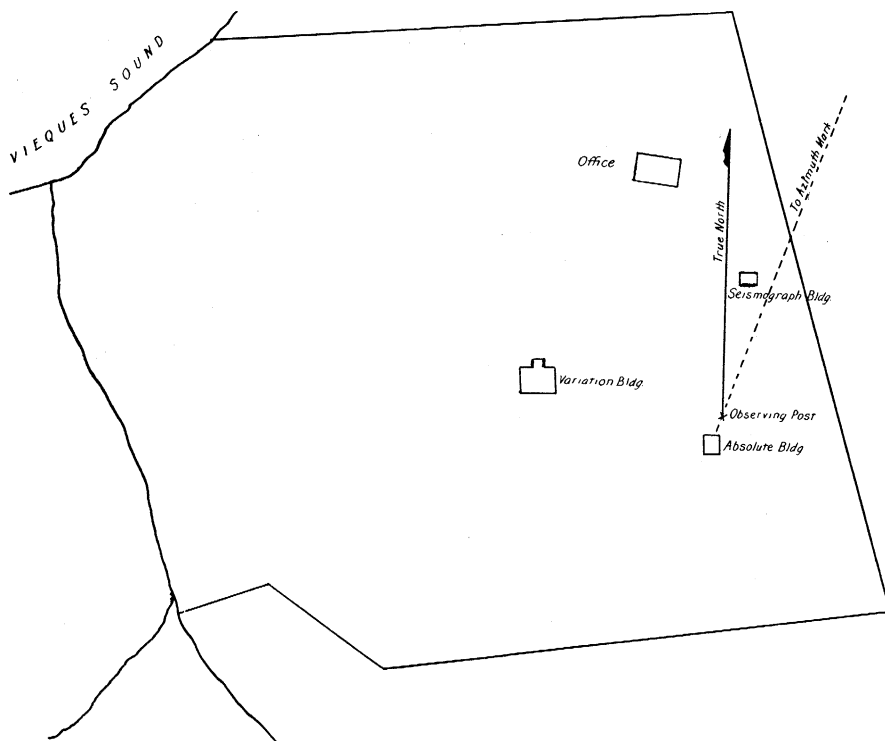


Fig. A.—Plan of observatory grounds.

general description of the portion of the fort occupied will be found in "Results of Observations made at the Coast and Geodetic Survey Magnetic Observatory at Vieques, Porto Rico, 1903-4."

The direct supervision of the magnetic work of the Coast and Geodetic Survey is assigned to an assistant to the superintendent, designated "Inspector of Magnetic Work." This position has been held by Mr. R. L. Faris since September 1, 1906. The work of the Porto Rico Observatory was carried on during 1907 and 1908 by the following magnetic observers: W. B. Keeling, January, 1907, to August, 1908; George Hartnell, from August to December, 1908.

LOCATION AND BUILDINGS.

Early in 1906 the Insular Government gave notice that the old fort would be needed for other purposes in the near future. After a careful examination and magnetic survey of several tracts in the vicinity, a suitable site for a magnetic observatory was found about five-eighths of a mile west of the old fort, on the shore of Vieques Sound. A piece of land was secured, containing about five acres, roughly rectangular in shape, and the necessary buildings were erected in 1907. The relative position of the various buildings is shown in figure A.

The *variation building* (Fig. B.) is a triple-walled wooden structure and is entirely above ground. The outer dimensions of the building are 16 by 22 feet. The instrument room is $7\frac{1}{2}$ by $12\frac{1}{2}$ feet and $8\frac{1}{2}$ feet high. As the daily and seasonal variations in temperature in Porto Rico are small, it was possible to secure a sufficiently uniform temperature in the instrument room by the following system of insulation, starting from the outside: Weather-boarding, building paper, 28 inches free-air space, boarding, building paper, 17 inches dead-air space, boarding, building paper, 4 inches dead-air space (between studs), building paper, boarding. The

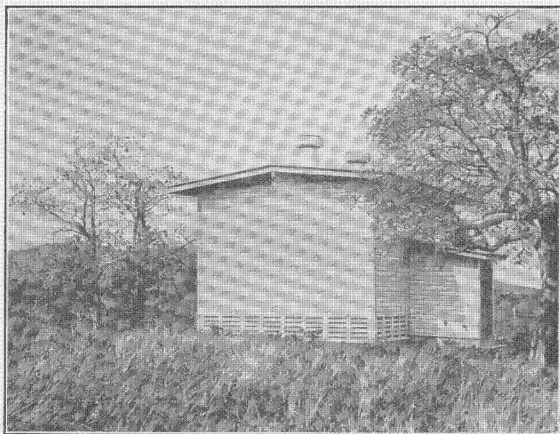


Fig. B.—Variation building.

overhead insulation is practically the same as on the sides. The roof is nearly flat and the under side of the rafters are covered with building paper to within 18 inches of the ridge pole. A 4-inch pipe allows the gases of combustion to escape from the instrument room to the free-air space, and a good circulation of air through the free-air space is secured by louvre windows at the bottom of the outside walls and two ventilators in the roof. From the ground up there is a free-air space of about 18 inches, rough flooring, building paper, 4 inches dead-air space, rough flooring, building paper, 4 inches dead-air space, surfaced flooring, building paper, matched flooring. The entrance to the building is on the north side and the double doors to the instrument room are on the west side. At opposite corners of the instrument room are air ducts with suitable shutters for regulating the intake of fresh air from the free-air space. The magnetograph is mounted on three stone piers resting on a concrete foundation. The variation building was begun on February 1, 1907, and was near enough to completion to permit the installation of the magnetograph early in April. With the above system of insulation the daily variation of temperature seldom exceeds a few tenths of a degree centigrade and the seasonal variation is correspondingly small. The figures for the first three months of 1907 in the following table are for the room in the old fort:

Monthly and annual range of temperature (centigrade).

Month.	1907			1908		
	Maximum.	Minimum.	Range.	Maximum.	Minimum.	Range.
	°	°	°	°	°	°
January.....	27.2	24.5	2.7	28.6	26.9	1.7
February.....	28.2	24.5	3.7	28.3	25.9	2.4
March.....	28.4	25.8	2.6	28.3	26.8	1.5
April.....	28.4	26.0	2.4	29.0	27.7	1.3
May.....	28.7	25.9	2.8	30.0	27.9	2.1
June.....	29.1	27.4	1.7	30.3	28.9	1.4
July.....	29.8	27.8	2.0	30.5	28.9	1.6
August.....	30.0	28.1	1.9	31.3	29.9	1.4
September...	30.6	28.3	2.3	31.4	29.1	2.3
October....	30.4	28.0	2.4	30.6	29.1	1.5
November...	29.7	28.0	1.7	30.5	28.8	1.7
December...	29.2	27.6	1.6	30.2	28.8	1.4
Year...	30.6	24.5	6.1	31.4	25.9	5.5

The absolute building, which was erected on the hill near the old fort in January, 1904, was moved to the new site in March, 1907. It is a wooden building 10 by 12 feet in size, with

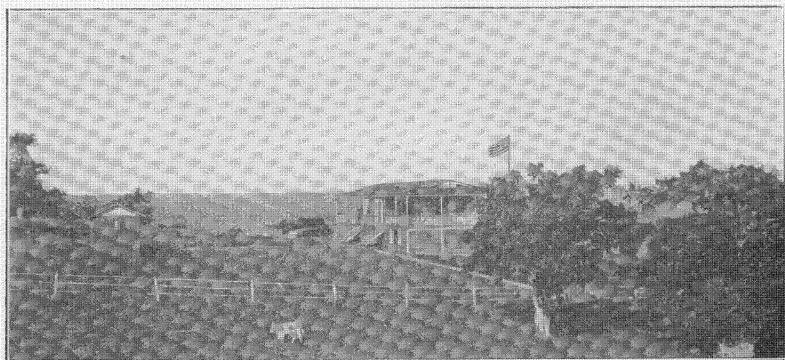


Fig. C.—Seismograph house and office building.

three wooden posts on which to mount the instruments. Outside the building and exactly in line from the declination post to the tower of the light house at Point Mulas is a wooden post for azimuth and time observations. The adopted azimuth of the light-house tower is $199^{\circ}20' .0$.

The seismograph house (Fig. C), $8\frac{1}{2}$ by 11 feet outside dimensions, is built of brick. One corner of the interior is separated from the instrument room by wooden partitions to form a vestibule $3\frac{1}{2}$ by $4\frac{1}{2}$ feet in size, which is provided with facilities for smoking the seismograph paper. An office and quarters for the observer (Fig. C) are provided in a one-story wooden house, which stands about $7\frac{1}{2}$ feet above the ground. The space underneath is utilized for storage and work rooms.

The various buildings were designed by Mr. W. B. Keeling, magnetic observer, and constructed under his direction.

INSTRUMENTS.

VARIATION INSTRUMENTS.

The magnetograph is of the Eschenhagen pattern and consists of D , H , and Z variometers and a recording apparatus. Much difficulty was experienced in keeping the H variometer in good adjustment, due partly to deterioration of the control magnets. In January, 1907, the old ones were found to be very badly rusted and were replaced by new ones. A change of control magnets was made also in January, 1909. The variometers are mounted east of the recording apparatus. Increasing ordinates (upward motion of the curves) correspond to increasing west declination, increasing H , and increasing Z .

The variations in temperature were obtained from the record of the thermograph inclosed in the Z variometer.

ABSOLUTE INSTRUMENTS.

India magnetic survey pattern magnetometer No. 31 and Schulze earth inductor No. 1.

SEISMOGRAPH.

A Bosch-Omori seismograph was kept in continuous operation except for the time of removal from the old fort to the new observatory site. The recorded seismic disturbances will be found tabulated on pages 96 and 97.

ACCESSORIES.

Chronometers and meteorological instruments.

Time observations were made with magnetometer No. 31, which is provided with a vertical circle, either using the method of equal altitudes of the sun or observing the time of the sun's meridian passage.

INSTRUMENTAL CONSTANTS OF THE MAGNETOGRAPH.

DECLINATION.

The removal of the magnetograph to the new observatory in April, 1907, and the insertion of a new fiber in the D variometer in November, 1908, produced small changes in the scale value. Both fibers were rather coarse, the average effect of 15° of torsion being $41'.6$ up to November, 1908, and $38'.9$ after that date. The adopted scale values are—

January 1 to April 4, 1907.....	1 mm.=1'.007.
April 10, 1907, to November 19, 1908.....	1 mm.=1'.013.
November 28 to December 31, 1908.....	1 mm.=1'.010.

HORIZONTAL INTENSITY.

Scale value.—Deflection observations for the determination of the scale value of the H variometer were made about twice a month. The results obtained from May, 1907, to January, 1908, show a relation between change of scale value and change of ordinate represented by the formula:

$$\varepsilon_h = 2.08\gamma + .005 h$$

During 1908 the readjustments became too frequent to trace such a relation. From the middle of September to the end of the year the scale values resulting from the deflection observations are so large and so divergent and the deflections themselves were so unsymmetrical that it is evident that the magnet was not entirely free. At the same time the curves show diurnal and disturbance variations and it has been thought best not to reject the record for this period, but instead to adopt scale values which would give approximately the diurnal range to be expected at that season of the year.

H scale value.

Date	Observed	Adopted	Date	Observed	Adopted
1907.	γ	γ	1908.	γ	γ
Jan. 8	2.67	2.72	Jan. 17	2.17	2.16
14	2.85	2.72	31	2.10	2.07
Feb. 15	2.70	2.72	Feb. 14	2.42	2.45
Mar. 19	2.65	2.72	28	2.49	2.45
Apr. 4	2.75	2.72	Mar. 9	2.27	2.29
19	4.17	4.17	20	2.31	2.29
May 6	2.25	2.27	Apr. 10	2.38	2.37
June 7	2.21	2.23	27	2.26	2.25
17	2.17	2.16	May 18	2.20	2.17
28	2.35	2.33	June 8	2.36	2.35
July 16	2.23	2.23	26	2.33	2.35
Aug. 19	2.26	2.26	July 11	2.33	2.35
Sept. 19	2.23	2.25	Aug. 11	2.91	2.91
Oct. 18	2.38	2.38	Sept. 17	5.62	6.00
31	2.33	2.33	Oct. 17	7.47	6.00
Nov. 15	2.31	2.27	20	7.06	6.00
30	2.16	2.16	26	7.19	6.00
Dec. 16	2.27	2.28	Nov. 14	5.34	6.00
30	2.23	2.23	17	7.48	7.00
			Dec. 5	5.39	7.00
			29	7.96	7.00

Temperature coefficient.—The same value was used for 1907 and 1908 as for 1905 and 1906.

$$q=0.00026 (7.5\gamma) \text{ for } 1^\circ \text{ centigrade.}$$

VERTICAL INTENSITY.

Scale value.—Deflection observations for the determination of the scale value of the Z variometer were made once a month or oftener. There appears to be no relation between change of scale value and change of ordinate.

Z scale value.

Date	Observed	Adopted	Date	Observed	Adopted
1907.	γ	γ	1908.	γ	γ
Jan. 21	5.16	5.18	Jan. 17	4.54	4.53
Feb. 15	5.18	5.18	31	4.51	4.53
Mar. 19	5.23	5.18	Feb. 14	4.54	4.53
Apr. 4	5.17	5.18	28	4.53	4.53
19	4.06	4.06	Mar. 9	4.58	4.59
May 6	4.43	4.44	20	4.60	4.59
June 7	4.43	4.44	Apr. 10	4.70	4.68
14	4.41	4.44	May 18	4.68	4.71
21	4.48	4.44	June 15	4.74	4.72
July 16	4.46	4.50	July 17	4.68	4.72
Aug. 19	4.59	4.61	Aug. 11	4.75	4.72
Sept. 19	4.66	4.65	Oct. 20	8.68	8.81
Oct. 18	4.62	4.65	27	9.09	8.81
31	4.72	4.65	31	8.65	8.81
Nov. 15	4.65	4.63	Nov. 17	5.45	5.45
30	4.60	4.60	Dec. 3	5.44	5.45
Dec. 16	4.58	4.56	28	5.45	5.45
30	4.43	4.54			

Temperature coefficient.—Up to April 4, 1907, the same value of temperature coefficient was used as for 1906, namely:

$$q=0.00013 (4.3\gamma) \text{ for } 1^\circ \text{ centigrade.}$$

For the observations in the new observatory, a new value was determined from the daily mean ordinates by selecting periods free from large disturbances during which there was both a rise and fall of temperature. The resulting values are given below and are as consistent as could be expected for the small ranges of temperature involved.

Z temperature coefficient.

Date	Temperature		q	Date	Temperature		q
	Mean	Range			Mean	Range	
1907.	°	°	γ	1908.	°	°	γ
June 22-29	28.5	0.37	5.4	Mar. 7-14	27.7	0.57	4.4
July	29.0	0.32	2.8	Apr. 18-29	28.6	0.25	2.7
Aug. 9-18	29.4	0.40	-1.2	May 24-31	29.3	0.69	-0.3
Aug. 22-31	29.2	0.80	1.2	My 30-Je 7	29.6	0.37	-3.0
Sept. 22-30	29.9	0.34	2.4	June 25-31	29.5	0.56	0.4
Oct. 2-10	29.6	0.93	4.3	July 3-10	29.4	0.44	-2.8
Nov. 1-11	29.1	0.52	-1.5	Aug. 24-30	30.7	0.36	6.8
Nov. 16-25	29.0	0.73	2.3	Oct. 4-10	30.2	0.38	10.0
Dec. 6-16	28.3	0.74	7.4	Oct. 13-18	29.8	0.43	10.5
				Oct. 14-22	29.9	0.44	1.9
1908.				No 21-Dec 2	29.4	0.32	1.6
Jan. 1-8	27.8	0.58	5.2	Dec. 22-29	29.7	0.37	1.9
Jan. 24-31	27.7	0.35	4.3				
Feb. 12-19	26.8	0.92	2.9			Mean	2.9
Mar. 1-11	27.7	0.60	2.0				

Adopted value:

$$q=0.00009 \text{ (3.0}\gamma\text{) for } 1^\circ \text{ centigrade.}$$

ABSOLUTE OBSERVATIONS AND BASE-LINE VALUES.

DECLINATION.

Absolute observations of declination were made twice a week with magnetometer No. 31, each day's observations consisting of one set in the morning and one in the afternoon. Up to March 6, 1907, the observations were made at the station on the hill near the old fort, and these results have been increased by 12'.4 to reduce them to the new observatory site. Abrupt changes of base-line value occurred as follows:

Date	Hour	Amount	Cause
1907.			
Jan. 8	10-12	+ 1.9	New control magnets on <i>H</i> .
Apr. 4	.....	.....	Moved to new observatory.
19	10-11	+ 3.0	Deflections.
30	15-17	- 3.0	Adjusted.
Dec. 3	16-19	+30.0	Bent mirror frame.
1908.			
Aug. 1	13-16	+23.2	Adjusted.
Nov. 28	20-21	.....	New fiber.
29	18-22	+20.0	Adjusted.

There was a gradual increase of a few tenths of a minute per month during the first three months of 1907, and a similar decrease after the instruments were moved to the new observatory, which became less rapid with lapse of time until a stable condition was reached in October, 1907. After the bending of the mirror frame in December, 1907, there was a more rapid decrease of base-line value, but the rate of change gradually fell to zero in July, 1908. The same is true of the period between the adjustments of August and November, 1908.

Declination base-line values.

Date	Observed	Adopted	Date	Observed	Adopted	Date	Observed	Adopted
1907.	° /	° /	1907.	° /	° /	1908.	° /	° /
Jan. 4	1 16.2 W.	1 16.4 W.	Aug. 19	1 23.1 W.	1 21.8 W.	Apr. 13	1 39.2 W.	1 39.1 W.
7	16.6	16.4	22	20.9	21.7	17	39.3	38.8
9	18.7	18.4	26	21.5	21.7	20	39.1	38.6
11	17.6	18.4	30	21.6	21.6	24	38.5	38.3
14	18.6	18.5	Sept. 2	21.6	21.5	27	38.3	38.0
19	18.7	18.5	6	21.4	21.4	May 1	37.5	37.7
21	18.8	18.6	7	21.4	21.4	9	37.4	37.1
25	18.3	18.6	9	21.2	21.4	12	37.5	36.9
28	18.5	18.7	13	21.1	21.3	15	37.1	36.6
Feb. 1	18.7	18.8	16	21.2	21.2	18	36.5	36.2
5	18.7	18.8	20	21.2	21.2	22	36.2	35.8
8	18.4	18.9	23	20.7	21.1	25	34.9	35.4
12	19.1	18.9	27	21.1	21.0	28	35.0	35.1
15	19.3	19.0	30	20.8	21.0	June 1	33.6	34.6
18	18.5	19.0	Oct. 4	20.8	20.9	5	34.0	34.2
25	19.7	19.2	7	20.8	20.8	8	33.8	33.8
Mar. 1	18.9	19.2	11	20.6	20.8	12	33.6	33.4
2	19.9	19.2	14	20.6	20.7	15	33.0	33.0
4	19.5	19.3	18	21.0	20.7	19	32.5	32.6
5	19.1	19.3	21	20.3	20.6	22	32.3	32.3
6	19.2	19.3	25	20.6	20.6	26	32.0	31.9
12	19.1	19.6	28	20.7	20.6	29	31.8	31.6
13	18.7	19.6	Nov. 1	20.9	20.6	July 3	31.2	31.3
15	18.8	19.7	4	20.6	20.6	7	31.2	31.0
16	19.7	19.8	5	20.6	20.6	10	30.8	30.8
18	19.9	19.9	8	20.6	20.6	13	31.5	30.6
19	19.9	20.0	11	20.6	20.6	17	30.4	30.3
20	20.0	20.0	15	20.8	20.6	20	30.3	30.2
22	20.5	20.2	18	20.5	20.6	24	30.1	30.2
25	20.7	20.4	22	20.5	20.6	27	30.3	30.2
26	22.3	20.4	25	20.6	20.6	31	30.2	30.2
29	20.9	20.7	29	20.7	20.6	Aug. 3	53.6	53.2
Apr. 2	24.0	21.1	Dec. 3	20.3	20.5	7	52.9	52.8
3	20.0	21.2	6	52.6	52.5	10	52.1	52.5
11	24.1	24.3	9	53.5	53.6	14	51.7	52.1
15	24.2	24.3	13	53.6	53.4	17	51.5	51.8
19	24.5	24.3	16	52.4	52.6	21	51.2	51.4
19	27.2	27.3	20	50.5	51.3	24	51.2	51.1
22	27.2	27.3	23	50.6	50.7	26	49.9	50.9
26	27.6	27.2	27	50.0	50.1	28	52.0	50.7
29	26.7	27.1	30	49.5	49.7	31	50.5	50.5
May 3	23.9	24.1	1908.			Sept. 4	50.5	50.2
6	23.8	24.0	Jan. 3	49.2	49.3	7	50.2	49.9
10	24.2	23.9	6	49.0	48.9	8	49.7	49.8
13	24.3	23.8	10	48.6	48.4	11	50.1	49.6
17	23.9	23.7	13	48.0	48.0	14	49.5	49.3
20	23.9	23.7	17	47.8	47.6	18	48.8	49.0
24	23.8	23.6	20	46.9	47.2	21	49.0	48.7
27	23.6	23.5	24	46.9	46.6	25	49.0	48.4
31	23.4	23.4	27	46.0	46.2	28	47.6	48.2
June 3	23.4	23.3	28	45.6	46.0	Oct. 2	47.4	47.9
7	23.5	23.3	31	45.8	45.6	5	47.6	47.7
10	23.2	23.2	Feb. 3	45.0	45.1	9	47.0	47.6
14	23.1	23.1	7	44.5	44.5	12	47.9	47.5
17	23.3	23.1	10	43.1	44.1	16	47.4	47.4
21	23.1	23.0	14	43.6	43.5	19	47.2	47.3
23	23.3	22.9	17	42.9	43.3	23	47.4	47.2
28	22.9	22.8	21	43.1	43.0	26	47.5	47.1
July 1	22.8	22.8	24	42.9	42.8	30	47.0	47.1
5	22.7	22.7	28	42.5	42.5	Nov. 2	47.0	47.0
8	22.8	22.6	Mar. 2	42.8	42.2	6	47.1	47.0
12	22.1	22.6	6	41.7	41.9	9	47.0	47.0
15	22.2	22.5	9	42.5	41.7	13	46.9	47.0
22	22.0	22.4	13	41.3	41.4	16	47.2	47.0
23	22.2	22.3	16	41.0	41.2	Dec. 4	56.9	57.0
26	22.2	22.3	20	40.7	40.9	7	57.0	56.7
29	22.1	22.2	23	40.7	40.7	11	56.7	56.4
30	22.1	22.2	27	40.2	40.4	14	56.2	56.2
Aug. 2	22.1	22.1	30	39.8	40.1	18	55.3	56.0
5	22.0	22.1	Apr. 3	39.8	39.8	21	55.5	55.8
9	21.7	22.0	6	39.4	39.6	24	56.0	55.6
12	21.9	21.9	10	38.8	39.3	28	55.3	55.3
16	21.7	21.9				31	55.0	55.2

HORIZONTAL INTENSITY.

Absolute observations of horizontal intensity were made twice a week with magnetometer No. 31, a day's observations consisting of one set of deflections at two distances between two sets of oscillations. Up to March 6, 1907, the observations were made at the station on the hill near the old fort and the results have been increased by 235γ to reduce them to the new observatory site.

As a result of comparisons at Cheltenham in 1903 and at Porto Rico Observatory in 1905, $+0.00095 H$ was adopted as the correction to be applied to results with magnetometer No. 31 to reduce them to the Cheltenham standard. In July, 1910, the Department of Terrestrial Magnetism of the Carnegie Institution of Washington yacht *Carnegie* stopped at Vieques and her instruments were compared with those of the Porto Rico Observatory. These comparisons indicated that there had been a change in magnetometer No. 31, the correction required to reduce horizontal intensity results to the Cheltenham standard being $-0.0005 H$, instead of $+0.00095 H$. To verify this, magnetometer No. 36 was compared with the standard magnetometer at Cheltenham in January, 1911, and sent to Porto Rico, where it was compared with magnetometer No. 31 on February 28 and March 1, and again on April 5, after which it was returned to Cheltenham and again compared with the standard magnetometer. These comparisons gave for the correction to No. 31 in March, 1911, $-0.0005 H$.

A careful scrutiny of the absolute observations and base-line values from 1905 to 1911 failed to find any evidence of a *sudden* change in the magnetometer which might account for this change in the relation of the instrument to the standard magnetometer, and it was therefore considered best to assume a gradual change from $+0.00095 H$ ($+28\gamma$) in January, 1907, to $-0.0005 H$ (-15γ) in March, 1911. A redetermination of the moment of inertia of the intensity magnet in February, 1911, indicated that about one-half of this change was probably due to a decrease in the moment of inertia.

Throughout the two years there was a downward drift of the H curve corresponding to an increase in base-line value of two or three gammas a day. This necessitated numerous changes of adjustments. During the latter part of 1908 the H variometer was not in good adjustment, and there were a number of sharp breaks in the curve for which no reason can be assigned.

Abrupt changes of H base-line value.

Date	Hour	Amount	Cause	Date	Hour	Amount	Cause
1907.		γ		1908.		γ	
Jan. 3	10-11	-19	Unknown.	Aug. 1	14-16	-126	Changed torsion.
8	10-17	-120	New control magnets.	Sept. 4	16-17	+17	Unknown.
Apr. 4	10	.....	End of observations in fort.	12	16-17	+33	Do.
10	15	.....	Beginning of observations in new observatory.	14	22-23	-6	Do.
30	15-18	+13	Adjusted.	15	11-12	-12	Do.
May 20	16-21	-82	Changed torsion.	17	15-17	-81	Deflections.
June 27	17-18	-134	Do.	18	13-14	+12	Unknown.
July 31	17-18	-106	Do.	27	6-7	+24	Do.
Sept. 4	16-17	-127	Do.	30	16-20	+94	Adjusted.
Oct. 16	16-17	-175	Do.	Oct. 6	19-21	-308	Changed torsion.
Dec. 12	21-22	-107	Do.	8	18-25	-35	Unknown.
1908.				17	11-16	+35	Do.
Jan. 31	19-20	-115	Do.	26	13-18	+34	Do.
Feb. 29	21-22	-39	Do.	31	20-24	+383	Changed torsion.
Mar. 31	20-21	-90	Unknown.	Nov. 13	20-21	-141	Do.
May 27	15-16	+10	Do.	14	8-9	-60	Deflections.
27	19-20	-147	Adjusted.	17	9-12	+66	Unknown.
July 1	22-23	-42	Changed torsion.	Dec. 1	18-21	-66	Adjusted.
				2	19-20	-248	Do.
				5	13-15	+12	Do.
				29	8-9	-21	Deflections.

II base-line values at 20° centigrade.

Date	Observed	Adopted	Date	Observed	Adopted	Date	Observed	Adopted
1907.	γ	γ	1907.	γ	γ	1908.	γ	γ
Jan. 4	29034	29040	Sept. 6	28922	28932	Apr. 27	28931	28941
7	29041	29040	9	930	941	May 1	950	948
9	28917	28922	13	962	953	9	968	960
11	931	927	16	961	962	12	944	965
14	931	936	20	989	974	12	978	965
19	957	950	23	28984	983	15	973	969
21	961	956	27	29003	28995	18	964	974
25	975	967	30	28992	29004	19	973	975
28	965	975	Oct. 4	29014	016	22	984	980
Feb. 1	988	987	7	029	025	25	974	984
5	28993	28998	11	030	037	28	861	850
8	29014	29006	14	29044	29046	June 1	854	858
12	021	018	18	28874	28883	5	859	866
15	028	026	18	887	883	8	875	872
18	040	035	21	887	892	12	886	880
25	047	054	25	900	904	15	881	886
Mar. 1	063	066	28	935	913	19	893	894
2	079	068	Nov. 1	919	925	22	903	900
4	072	074	4	945	934	26	903	908
5	080	077	8	945	946	29	913	914
6	074	080	11	971	955	July 3	881	880
15	115	106	15	948	967	7	893	889
16	096	109	18	968	976	10	891	896
18	117	115	18	28981	976	13	902	903
19	125	118	22	29001	988	17	916	912
20	120	121	25	002	28997	20	916	919
22	130	127	29	005	29009	24	925	928
25	141	136	Dec. 3	009	021	27	937	935
29	137	148	6	024	030	31	944	944
Apr. 2	29167	29160	9	29038	29039	Aug. 3	825	825
11	28958	28973	13	28943	28942	7	847	837
15	990	981	16	946	947	10	862	846
19	28991	989	20	944	954	14	848	858
22	29010	28995	23	962	959	17	849	867
26	28995	29003	27	966	966	21	874	879
29	29007	009	30	972	971	24	896	887
May 3	031	030				31	899	901
6	032	036	1908.			Sept. 4	920	913
10	047	044	Jan. 3	987	978	7	929	930
10	048	045	6	28982	983	11	932	930
13	053	050	10	29006	990	14	946	963
17	051	058	13	28996	28995	18	869	864
20	29063	29064	17	28998	29002	21	879	883
24	28998	28996	20	29005	007	25	881	894
27	28993	29005	24	016	014	28	28934	28926
31	29017	017	27	002	019	Oct. 2	29026	29026
June 3	035	026	28	022	021	5	29026	29026
7	038	038	31	29029	29026	9	28681	28683
10	042	047	Feb. 3	28910	28917	12	687	677
14	050	059	7	927	925	16	663	669
17	059	068	10	931	931	19	705	699
21	075	080	14	950	939	23	687	691
27	29112	29098	17	945	945	26	682	685
28	28961	28967	21	953	953	30	28714	28712
July 1	973	975	24	958	959	Nov. 2	29091	29094
5	984	985	28	964	967	6	106	100
8	28993	28993	Mar. 2	939	933	9	102	104
12	29018	29004	6	931	939	13	29109	29110
15	018	012	9	952	944	16	28908	28910
22	037	031	13	950	951	20	982	979
26	031	041	16	953	956	23	981	983
29	29047	29049	20	955	962	27	982	988
Aug. 2	28953	28954	23	964	967	30	996	991
5	970	963	27	971	973	Dec. 4	698	693
9	966	975	30	986	978	7	720	717
12	991	984	Apr. 3	908	894	11	736	730
16	28993	28996	6	884	900	14	735	740
19	29000	29005	10	905	908	18	751	752
22	012	014	13	917	914	21	761	762
26	025	026	17	925	922	24	777	772
30	015	038	20	926	928	28	775	784
Sept. 2	057	047	24	946	935	31	780	772

VERTICAL INTENSITY.

Absolute observations of dip were made twice a week with earth inductor No. 1, which requires a correction of $-1'.0$ to reduce to the standard earth inductor at Cheltenham. Up to March 6, 1907, the observations were made at the station on the hill near the old fort, and these results have been diminished by $23'.7$ to reduce them to the new observatory site. The earth inductor was out of adjustment for the first half of July, 1908. The observations from August 28 to October 30, 1908, were unsatisfactory and have been rejected. The base-line values for those periods have been obtained by interpolation, with the aid of the daily mean ordinates. The Z variometer performed its functions well for the greater part of the two years, and few changes of adjustment were required.

Abrupt changes of Z base-line value.

Date	Hour	Amount	Date	Hour	Amount
1907.		γ	1908.		γ
Mar. 25	10-11	- 15	Aug. 1	14-16	+151
Apr. 10	15	.....	Sept. 12	16-17	-185
30	15-18	- 10	30	16-20	+290
May 20	16-21	+107	Oct. 1	16-24	-100
Oct. 31	16-17	+262	27	10-11	+ 85
			31	20-24	-137
1908.			Dec. 3	20-21	- 27
Feb. 29	22-23	+241	31	21-22	+220

Z base-line values at 20° centigrade.

Date	Observed	Adopted	Date	Observed	Adopted	Date	Observed	Adopted
1907.	$\bar{\gamma}$	$\bar{\gamma}$	1907.	$\bar{\gamma}$	$\bar{\gamma}$	1908.	$\bar{\gamma}$	$\bar{\gamma}$
Jan. 4	33767	33778	Aug. 26	33903	33900	Mar. 16	34098	34102
11	775	769	Sept. 2	888	889	20	109	096
14	766	765	6	882	883	23	095	092
19	762	758	9	881	879	27	080	087
21	751	755	14	869	871	30	080	083
25	747	751	16	874	868	Apr. 3	074	078
27	741	749	20	859	859	6	068	074
Feb. 1	749	745	23	853	852	10	087	068
5	746	743	27	811	843	13	063	064
8	747	741	30	833	835	17	051	059
12	723	738	Oct. 4	802	827	20	053	055
15	737	736	7	819	819	24	052	049
18	739	734	11	814	810	27	053	045
25	725	729	14	796	803	May 1	038	039
Mar. 1	725	727	15	809	800	9	020	027
2	728	726	18	796	793	12	028	022
4	732	726	21	774	786	15	022	018
5	725	725	25	780	781	18	34016	012
6	726	725	28	33792	33778	22	33997	34000
16	720	722	Nov. 1	34036	34035	25	983	33993
18	720	722	4	021	023	28	992	988
19	700	723	8	014	014	June 1	978	986
20	723	723	11	008	009	5	988	983
22	728	724	15	34006	005	8	983	978
25	718	711	18	33995	34002	12	966	971
29	716	713	22	33999	33998	15	963	967
Apr. 2	703	713	25	34007	995	19	960	960
11	979	984	29	33986	991	22	954	955
15	989	990	Dec. 3	974	983	26	948	951
19	992	990	6	993	977	29	952	948
22	983	985	9	970	971	July 18	932	933
26	982	979	13	963	963	20	929	932
29	973	974	16	954	954	24	932	929
May 3	980	959	20	934	939	27	927	927
6	952	955	23	927	930	31	33925	33924
10	947	947	27	917	922	Aug. 3	34073	34074
13	945	941	30	917	918	7	072	074
17	900	933				10	073	074
20	33925	33927	1908.			14	075	074
24	34032	34031	Jan. 3	913	914	17	079	077
27	030	030	6	919	911	21	082	081
31	016	029	10	895	907	24	085	084
June 3	019	027	13	906	904	Nov. 2	018	003
7	033	026	17	909	898	6	34002	34001
10	025	025	20	887	894	9	33981	33999
14	015	023	24	887	889	13	999	997
17	030	021	27	888	885	16	993	995
21	34025	017	31	891	880	20	999	993
28	33998	006	Feb. 3	871	876	23	989	991
July 1	33983	34001	7	864	870	27	988	989
5	34002	33994	10	864	866	30	985	987
8	33990	989	14	871	868	Dec. 4	958	959
15	983	976	17	871	869	7	958	957
22	965	959	21	866	871	11	954	955
26	943	947	24	873	873	14	955	954
29	927	938	28	33878	33875	18	953	952
Aug. 5	927	927	Mar. 2	34113	34116	21	949	950
9	917	923	6	116	115	24	948	949
12	921	920	9	107	111	28	952	947
19	920	910	13	112	106	31	940	945

DIURNAL VARIATION.

The following tables present the diurnal variation of D , H , Z , I , X , and Y for each month, based on the hourly means for the 10 least disturbed days. The hours are local mean time counted from midnight. For D , H , and Z the tabular quantities were derived directly from the monthly tabulations by subtracting the mean for the month from each hourly mean. The variations in I , X , and Y were computed from the variations in D , H , and Z by means of the formulas:

$$\begin{aligned}\Delta X &= 0.999 \Delta H + 0.291 \Delta D \\ \Delta Y &= -0.034 \Delta H + 8.46 \Delta D \\ \Delta I &= 0.0497 \Delta Z - 0.0583 \Delta H\end{aligned}$$

A plus sign indicates an hourly value greater than the mean for the day. As D and Y are considered positive when east, they are negative at the Porto Rico observatory; consequently, in the tables showing the diurnal variation of D and Y a plus sign indicates an hourly value numerically less but algebraically greater than the mean for the day.

Mean results are also given for groups of four months, as indicated by the Roman numerals at the heads of the columns: I, January, February, November, December; II, March, April, September, October; III, May, June, July, August.

Diurnal variation of declination.

1907.

Hour	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Group means		
	I	I	II	II	III	III	III	III	II	II	I	I	I	II	III
1	-0.2	-0.3	-0.2	-0.2	-0.1	-0.5	0.0	-0.3	-0.3	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
2	-0.2	-0.4	-0.3	-0.1	+0.1	-0.4	+0.1	-0.3	-0.2	-0.1	-0.3	-0.4	-0.3	-0.2	-0.1
3	-0.2	-0.5	-0.3	-0.1	+0.2	-0.2	+0.1	-0.1	+0.1	0.0	-0.3	-0.5	-0.4	-0.1	0.0
4	-0.1	-0.5	-0.3	-0.1	+0.2	-0.1	+0.3	+0.2	+0.2	+0.2	-0.1	-0.2	-0.2	0.0	+0.2
5	0.0	-0.4	-0.3	0.0	+0.5	+0.2	+0.7	+0.5	+0.7	+0.4	0.0	-0.1	-0.1	+0.2	+0.5
6	+0.2	-0.1	-0.1	+0.5	+1.5	+1.1	+1.4	+1.6	+1.7	+0.8	+0.1	+0.1	+0.1	+0.7	+1.4
7	+0.3	-0.3	+0.6	+2.0	+2.7	+2.7	+2.6	+3.4	+3.2	+1.9	+0.6	0.0	+0.2	+1.9	+2.8
8	+1.5	+0.8	+2.1	+2.9	+3.1	+3.9	+3.3	+3.3	+3.7	+2.6	+1.6	+0.9	+1.2	+2.8	+3.4
9	+3.3	+2.5	+3.0	+3.4	+2.6	+3.3	+2.8	+2.6	+3.1	+2.3	+2.1	+2.1	+2.5	+3.0	+2.8
10	+3.3	+3.4	+2.7	+3.0	+1.6	+2.4	+1.7	+1.5	+1.8	+1.0	+2.0	+2.3	+2.8	+2.1	+1.8
11	+1.7	+2.8	+1.7	+1.9	+0.5	+1.0	+0.5	+0.1	0.0	-0.4	+0.9	+1.4	+1.7	+0.8	+0.5
12	-0.5	+1.1	+0.4	+0.3	-0.4	-0.2	-0.8	-0.8	-1.5	-1.3	-0.4	-0.1	0.0	-0.5	-0.6
13	-1.9	-0.5	-1.3	-1.5	-1.5	-0.9	-1.8	-1.6	-2.5	-1.4	-1.1	-1.3	-1.2	-1.7	-1.4
14	-2.3	-1.7	-2.4	-2.6	-2.2	-1.6	-2.3	-1.9	-2.6	-1.4	-1.4	-1.7	-1.8	-2.2	-2.0
15	-2.1	-2.3	-2.5	-2.8	-2.2	-2.0	-2.2	-1.9	-2.2	-1.2	-1.5	-1.9	-2.0	-2.2	-2.1
16	-1.5	-2.0	-1.7	-2.2	-1.7	-1.9	-1.6	-1.7	-1.4	-0.9	-1.1	-1.1	-1.4	-1.6	-1.7
17	-0.7	-1.0	-0.9	-1.3	-1.1	-1.5	-1.0	-1.3	-0.7	-0.8	-0.9	-0.4	-0.8	-0.9	-1.2
18	-0.4	-0.2	-0.2	-0.9	-0.9	-1.1	-0.8	-0.8	-0.7	-0.6	-0.5	-0.1	-0.3	-0.6	-0.9
19	-0.2	-0.1	0.0	-0.8	-0.8	-0.9	-0.8	-0.7	-0.6	-0.4	-0.2	+0.1	-0.1	-0.4	-0.8
20	0.0	0.0	0.0	-0.7	-0.7	-0.9	-0.8	-0.6	-0.6	-0.2	+0.2	+0.3	+0.1	-0.4	-0.8
21	+0.2	+0.1	+0.1	-0.2	-0.6	-0.8	-0.6	-0.5	-0.4	0.0	+0.2	+0.4	+0.2	-0.1	-0.6
22	0.0	+0.1	0.0	-0.2	-0.3	-0.6	-0.4	-0.4	-0.4	-0.1	+0.2	+0.3	+0.2	-0.2	-0.4
23	0.0	-0.1	-0.1	-0.3	-0.2	-0.5	-0.2	-0.4	-0.3	-0.1	+0.1	+0.2	0.0	-0.2	-0.3
24	0.0	-0.3	-0.1	-0.3	-0.1	-0.4	-0.2	-0.4	-0.3	-0.2	-0.1	-0.1	-0.1	-0.2	-0.3

1908.

1	-0.3	-0.3	-0.1	-0.3	0.0	-0.1	-0.2	-0.2	+0.1	-0.2	-0.1	-0.2	-0.2	-0.1	-0.1
2	-0.4	-0.4	-0.1	+0.1	0.0	-0.3	-0.2	-0.1	+0.2	-0.3	-0.1	-0.3	-0.3	0.0	-0.2
3	-0.5	-0.4	0.0	0.0	+0.1	0.0	0.0	0.0	+0.4	-0.2	-0.1	-0.3	-0.3	0.0	0.0
4	-0.4	-0.4	+0.2	+0.2	+0.4	+0.1	+0.2	+0.4	+0.5	-0.1	-0.1	-0.2	-0.3	+0.2	+0.3
5	-0.3	-0.2	+0.4	+0.3	+0.6	+0.3	+0.4	+0.8	+0.9	+0.2	0.0	0.0	-0.1	+0.4	+0.5
6	-0.2	-0.1	+0.6	+0.7	+1.6	+1.0	+1.7	+1.8	+1.6	+0.4	0.0	+0.2	0.0	+0.8	+1.5
7	-0.5	-0.1	+1.1	+2.0	+3.1	+2.1	+3.4	+4.1	+3.4	+1.3	+0.3	+0.2	0.0	+2.0	+3.2
8	+0.6	+1.3	+1.9	+2.5	+3.6	+2.4	+4.1	+4.3	+3.7	+2.4	+1.1	+1.2	+1.0	+2.6	+3.6
9	+2.2	+3.1	+2.3	+2.7	+2.8	+2.0	+3.0	+3.0	+2.6	+3.0	+1.9	+2.3	+2.4	+2.6	+2.7
10	+3.2	+3.8	+1.8	+2.6	+1.3	+1.3	+1.6	+1.4	+0.8	+2.6	+1.8	+2.4	+2.8	+2.0	+1.4
11	+2.5	+3.0	+0.8	+1.9	-0.2	+0.6	+0.2	-0.1	-0.7	+1.2	+1.0	+1.6	+2.0	+0.8	+0.1
12	+0.5	+0.9	-0.4	+0.2	-1.3	-0.2	-1.3	-1.4	-1.9	-0.5	-0.1	-0.3	+0.2	-0.6	-1.0
13	-1.3	-0.9	-1.5	-1.7	-2.1	-1.2	-2.3	-2.5	-2.7	-1.4	-0.7	-1.5	-1.1	-1.8	-2.0
14	-1.9	-2.2	-1.9	-2.6	-2.6	-1.9	-2.6	-2.8	-2.7	-1.8	-1.1	-1.7	-1.7	-2.2	-2.5
15	-1.7	-2.4	-1.5	-2.7	-2.4	-2.0	-2.4	-2.6	-2.1	-1.8	-1.1	-1.6	-1.7	-2.0	-2.4
16	-1.1	-2.0	-0.9	-1.8	-1.7	-1.3	-1.6	-2.0	-1.4	-1.5	-1.2	-1.0	-1.3	-1.4	-1.6
17	-0.6	-1.2	-0.5	-0.8	-0.9	-0.6	-0.7	-1.2	-0.9	-1.0	-0.9	-0.5	-0.8	-0.8	-0.8
18	-0.2	-0.6	-0.6	-0.6	-0.5	-0.4	-0.6	-0.8	-0.6	-0.8	-0.4	-0.3	-0.4	-0.6	-0.6
19	0.0	-0.5	-0.6	-0.6	-0.4	-0.5	-0.6	-0.8	-0.4	-0.6	-0.3	0.0	-0.2	-0.6	-0.6
20	+0.2	-0.1	-0.3	-0.6	-0.5	-0.4	-0.6	-0.6	-0.3	-0.2	0.0	+0.2	+0.1	-0.4	-0.5
21	+0.3	+0.1	-0.2	-0.5	-0.4	-0.4	-0.5	-0.4	-0.3	-0.1	+0.1	+0.2	+0.2	-0.3	-0.4
22	+0.2	+0.1	-0.1	-0.4	-0.3	-0.3	-0.5	-0.2	-0.1	-0.1	+0.1	+0.1	+0.1	-0.2	-0.3
23	0.0	+0.1	-0.1	-0.3	-0.2	-0.2	-0.4	0.0	-0.1	-0.2	+0.1	-0.1	0.0	-0.2	-0.2
24	-0.2	-0.2	-0.2	-0.3	-0.2	-0.2	-0.3	-0.2	0.0	-0.2	0.0	-0.3	-0.2	-0.2	-0.2

Diurnal variation of horizontal intensity.

1907.

Hour	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Group means		
	I	I	II	II	III	III	III	III	II	II	I	I	I	II	III
1	\bar{r} 2	\bar{r} 2	\bar{r} 5	\bar{r} 3	\bar{r} 3	\bar{r} 2	\bar{r} 8	\bar{r} 4	\bar{r} 3	\bar{r}	\bar{r}	\bar{r} 7	\bar{r}	\bar{r}	\bar{r}
2	-1	-2	-4	-4	-3	-2	-7	-3	-2	-4	-4	-6	-4	-4	-4
3	+1	-1	-3	-3	-3	-2	-7	-4	-2	-2	-3	-4	-2	-2	-4
4	+3	+1	0	-1	-2	-1	-6	-4	-3	-1	-1	-2	0	-1	-3
5	+4	+3	+1	-1	-3	-2	-4	-4	-3	0	-1	0	+2	-1	-3
6	+4	+6	+2	+2	0	+1	-1	-2	-2	0	+1	+2	+3	0	0
7	+8	+10	+5	+2	0	+2	+3	-1	+1	0	+6	+7	+8	+2	+1
8	+11	+13	+4	+3	+2	+0	+6	+3	+3	0	+9	+10	+11	+2	+3
9	+11	+12	+4	+6	+7	+2	+10	+10	+6	+3	+11	+9	+11	+5	+7
10	+7	+9	+7	+7	+12	+7	+13	+15	+10	+6	+12	+8	+9	+8	+12
11	+4	+8	+13	+7	+13	+9	+14	+15	+12	+11	+10	+6	+7	+11	+13
12	-1	+4	+14	+6	+12	+8	+13	+10	+10	+12	+7	+4	+4	+10	+11
13	-7	-3	+11	+4	+8	+8	+10	+4	+6	+9	+4	+1	-1	+8	+8
14	-12	-7	+6	+2	+3	+7	+6	0	+1	+2	-1	-1	-5	+2	+4
15	-10	-7	+2	-1	-3	+2	+3	-2	-7	-5	-6	-2	-6	-3	0
16	-6	-8	-3	-3	-7	-4	-1	-3	-6	-8	-8	-3	-6	-5	-4
17	-4	-8	-7	-4	-8	-6	-4	-5	-5	-5	-7	-2	-5	-5	-6
18	-2	-6	-7	-4	-7	-7	-6	-5	-3	-3	-5	-1	-4	-4	-6
19	-1	-5	-8	-4	-6	-5	-6	-3	-2	-2	-3	-1	-2	-4	-5
20	-1	-5	-8	-3	-5	-5	-6	-4	-2	-2	-3	-2	-3	-4	-4
21	-3	-4	-7	-4	-3	-3	-6	-4	-2	-3	-3	-3	-3	-4	-4
22	-2	-4	-7	-2	-2	-2	-6	-4	-2	-3	-4	-4	-4	-4	-4
23	-1	-3	-6	-2	-3	-2	-6	-3	-2	-3	-4	-5	-3	-3	-4
24	-1	-1	-6	-2	-3	-1	-5	-2	-1	-1	-3	-5	-2	-2	-3

1908.

1	-5	-4	-9	-5	-3	-5	-2	-3	-5	+1	-6	-3	-4	-4	-3
2	-5	-3	-8	-6	-2	-5	-3	-4	-5	+3	-6	-3	-4	-4	-4
3	-4	-2	-7	-4	-1	-5	-3	-4	-5	+4	-6	-1	-3	-3	-3
4	-2	0	-6	-3	-2	-7	-3	-5	-5	+5	-5	0	-2	-2	-4
5	0	+1	-4	-2	-1	-7	-2	-5	-4	+6	-4	+1	0	-1	-4
6	+1	+2	-4	-1	+2	-4	0	-5	-4	+7	-3	+2	0	0	-2
7	+8	+8	+2	0	0	-1	0	-6	-4	+9	+3	+7	+6	+2	-2
8	+15	+12	+8	-1	0	+2	+2	-4	-4	+10	+8	+9	+11	+3	0
9	+14	+11	+12	+3	+4	+9	+6	+2	+2	+6	+9	+7	+10	+6	+5
10	+10	+7	+16	+8	+9	+14	+11	+8	+7	+1	+11	+5	+8	+8	+10
11	+8	+1	+17	+9	+9	+17	+12	+10	+10	+1	+12	+3	+6	+9	+12
12	+6	-2	+17	+9	+9	+13	+13	+10	+9	0	+9	0	+3	+9	+11
13	+2	0	+13	+8	+7	+10	+13	+10	+5	-3	+5	-2	+1	+6	+10
14	-3	-1	+8	+6	+2	+9	+10	+5	0	-5	+3	-4	-1	+1	+6
15	-5	0	+2	+4	-3	+3	+5	+1	-2	-8	+1	-3	-2	-1	+2
16	-6	-2	-3	0	-5	-4	-1	-2	0	-10	0	-2	-2	-3	-3
17	-7	-3	-6	-3	-6	-7	-3	-2	0	-7	-3	-1	-4	-4	-4
18	-5	-4	-8	-3	-4	-8	-3	-1	0	-6	-3	-2	-4	-4	-4
19	-3	-5	-8	-3	-3	-4	-2	0	+2	-4	-3	-2	-3	-3	-2
20	-3	-4	-7	-3	-3	-3	-2	-1	+3	-3	-2	-2	-3	-2	-2
21	-4	-3	-6	-2	-3	-3	-1	0	+2	-3	-4	-2	-3	-2	-2
22	-5	-3	-5	-3	-2	-3	+1	-1	-2	-3	-5	-3	-4	-2	-1
23	-5	-3	-6	-4	-1	-4	0	-1	-1	0	-6	-3	-4	-3	-2
24	-4	-2	-8	-5	-1	-5	0	-2	-3	+1	-5	-2	-3	-4	-2

Diurnal variation of vertical intensity.

1907.

Hour	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Group means		
	I	I	II	II	III	III	III	III	II	II	I	I	I	II	III
1	γ +6	γ +4	γ +3	γ +3	γ 0	γ -1	γ +2	γ 0	γ +4	γ +3	γ +3	γ +4	γ +4	γ +3	γ 0
2	+6	+4	+2	+2	0	-1	+1	0	+4	+4	+4	+5	+5	+3	0
3	+5	+4	+2	+3	0	-1	0	-1	+4	+5	+5	+5	+5	+4	0
4	+5	+4	+3	+3	+1	-1	0	-1	+4	+5	+5	+5	+5	+4	0
5	+3	+4	+3	+3	+1	0	0	0	+3	+5	+5	+5	+5	+4	0
6	+2	+4	+3	+4	0	-1	0	+1	+3	+3	+5	+5	+4	+3	0
7	+2	+5	+2	+1	-3	-3	-3	-4	-3	-2	+4	+6	+4	0	-3
8	-2	0	-4	-2	-5	-6	-5	-6	-7	-7	-1	+3	0	-5	-6
9	-8	-6	-10	-5	-4	-5	-6	-4	-8	-9	-5	-1	-5	-8	-5
10	-12	-11	-11	-7	-2	-3	-4	-4	-7	-9	-7	-4	-8	-8	-3
11	-12	-14	-12	-7	0	-2	-1	-3	-8	-6	-9	-6	-10	-8	-2
12	-9	-13	-11	-6	0	0	+1	-3	-7	-4	-8	-8	-10	-7	0
13	-8	-11	-9	-3	+1	+2	+2	-3	-6	-3	-7	-7	-8	-5	0
14	-8	-8	-4	0	+1	+4	+3	-2	-3	-1	-5	-6	-7	-2	+2
15	-4	-3	-1	+2	+4	+5	+5	+1	-1	+1	-2	-3	-3	0	+4
16	+1	-1	0	+1	+4	+5	+4	+2	+2	+2	0	-1	0	+1	+4
17	+3	+3	+2	0	+2	+3	+1	+2	+3	+3	+2	-1	+2	+2	+2
18	+4	+3	+4	0	+1	+2	-1	+3	+4	+4	+3	-1	+2	+3	+1
19	+4	+5	+6	0	+1	+2	-1	+4	+4	+3	+2	-1	+2	+3	+2
20	+4	+6	+7	+1	+1	+2	0	+4	+5	+2	+1	-1	+2	+4	+2
21	+3	+6	+7	+1	+1	+2	+1	+5	+4	0	+1	-1	+2	+3	+2
22	+5	+5	+7	+2	0	0	+1	+4	+3	0	+1	0	+3	+3	+1
23	+6	+6	+6	+2	0	-1	+1	+3	+2	0	+1	+1	+4	+2	+1
24	+5	+5	+5	+3	0	0	+1	+3	+2	+1	+2	+3	+4	+3	+1

1908.

1	+3	+2	+3	+3	0	-1	0	+3	+4	+3	+2	+4	+3	+3	0
2	+5	+3	+3	+2	+1	0	+1	+3	+4	+4	+2	+4	+4	+3	+1
3	+6	+3	+3	+3	+2	0	+2	+3	+5	+4	+3	+5	+4	+4	+2
4	+7	+5	+3	+3	+3	+1	+2	+3	+5	+6	+4	+5	+5	+4	+2
5	+7	+4	+3	+4	+3	+1	+3	+3	+5	+6	+4	+5	+5	+4	+2
6	+7	+5	+3	+4	+3	+1	+2	+3	+4	+6	+5	+4	+5	+4	+2
7	+8	+6	+2	+1	0	-1	-2	-4	-3	+2	+5	+5	+6	0	-2
8	+5	+3	0	0	-3	0	-4	-6	-7	+4	+3	+1	+3	-3	-3
9	-1	-2	-2	-1	-6	0	-4	-5	-9	-7	-2	-6	-3	-5	-4
10	-8	-6	-4	-2	-5	0	-4	-4	-8	-9	-6	-9	-7	-6	-3
11	-11	-9	-4	-3	-3	+3	-2	-5	-6	-8	-7	-11	-10	-5	-2
12	-11	-8	-3	-1	-2	+4	0	-4	-5	-7	-7	-10	-9	-4	0
13	-8	-5	-2	-1	-2	+5	+2	0	-4	-5	-6	-7	-6	-3	+1
14	-7	-5	-1	-2	0	+5	+3	-1	-2	-3	-5	-5	-6	-2	+2
15	-4	-3	-2	-2	+1	+4	+3	0	-2	-2	-4	-3	-4	-2	+2
16	-2	0	-2	-2	+2	+1	+2	0	-1	-1	-1	-1	-1	-2	+1
17	0	+1	-2	-2	+1	-1	-1	+1	+1	+1	0	0	0	0	0
18	+1	0	-1	-1	+1	-2	-2	+1	+1	+2	+1	+1	+1	0	0
19	+1	+1	0	-1	+2	-2	-1	+2	+2	+3	+2	+1	+1	+1	0
20	0	0	+1	0	+2	-3	-1	+1	+3	+3	+1	+2	+1	+2	0
21	-1	0	+1	-1	+2	-4	-2	+1	+3	+2	+1	+2	0	+1	-1
22	0	0	+1	-1	+1	-4	-1	+1	+3	+2	+1	+2	+1	+1	-1
23	+1	+2	+1	0	+1	-4	0	+2	+3	+2	+1	+3	+2	+2	0
24	+2	+3	+1	0	+1	-3	0	+3	+4	+2	+2	+4	+3	+2	0

Diurnal variation of dip.

1907.

Hour	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Group means		
	I	I	II	II	III	III	III	III	II	II	I	I	I	II	III
1	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
2	+0.4	+0.3	+0.4	+0.3	+0.2	+0.1	+0.6	+0.2	+0.4	+0.4	+0.4	+0.6	+0.4	+0.4	+0.3
3	+0.4	+0.3	+0.3	+0.3	+0.2	+0.1	+0.5	+0.2	+0.3	+0.4	+0.4	+0.6	+0.4	+0.3	+0.2
4	+0.2	+0.3	+0.3	+0.3	+0.2	+0.1	+0.4	+0.2	+0.3	+0.4	+0.4	+0.4	+0.4	+0.3	+0.2
5	+0.1	+0.1	+0.1	+0.2	+0.2	0.0	+0.3	+0.2	+0.4	+0.3	+0.3	+0.4	+0.4	+0.2	+0.2
6	-0.1	0.0	+0.1	+0.2	+0.2	+0.1	+0.2	+0.2	+0.3	+0.2	+0.3	+0.2	+0.1	+0.2	+0.2
7	-0.1	-0.2	0.0	+0.1	0.0	-0.1	+0.1	+0.2	+0.3	+0.1	+0.2	+0.1	0.0	+0.1	0.0
8	-0.4	-0.3	-0.2	-0.1	-0.1	-0.3	-0.3	-0.1	-0.2	-0.1	-0.1	-0.1	-0.2	-0.2	-0.2
9	-0.7	-0.8	-0.4	-0.3	-0.4	-0.3	-0.6	-0.5	-0.5	-0.3	-0.6	-0.4	-0.6	-0.4	-0.4
10	-1.0	-1.0	-0.7	-0.6	-0.6	-0.4	-0.9	-0.8	-0.7	-0.6	-0.9	-0.6	-0.9	-0.6	-0.7
11	-1.0	-1.1	-1.0	-0.8	-0.8	-0.6	-1.0	-1.1	-0.9	-0.8	-1.0	-0.7	-1.0	-0.9	-0.9
12	-0.8	-1.2	-1.4	-0.8	-0.8	-0.6	-0.9	-1.0	-1.1	-0.9	-1.0	-0.6	-0.9	-1.0	-0.8
13	-0.4	-0.9	-1.4	-0.6	-0.7	-0.5	-0.7	-0.7	-0.9	-0.9	-0.8	-0.6	-0.7	-1.0	-0.6
14	0.0	-0.4	-1.1	-0.4	-0.4	-0.4	-0.5	-0.4	-0.6	-0.7	-0.6	-0.4	-0.4	-0.7	-0.4
15	+0.3	0.0	-0.5	-0.1	-0.1	-0.2	-0.2	-0.1	-0.1	-0.2	-0.2	-0.2	0.0	-0.2	-0.2
16	+0.4	+0.3	-0.2	+0.2	+0.4	+0.1	+0.1	+0.2	+0.4	+0.3	+0.2	0.0	+0.2	+0.2	+0.2
17	+0.4	+0.4	+0.2	+0.2	+0.6	+0.5	+0.3	+0.3	+0.4	+0.6	+0.5	+0.1	+0.4	+0.4	+0.4
18	+0.4	+0.6	+0.5	+0.2	+0.6	+0.5	+0.3	+0.4	+0.4	+0.4	+0.5	+0.1	+0.4	+0.4	+0.4
19	+0.3	+0.5	+0.6	+0.2	+0.5	+0.5	+0.3	+0.4	+0.4	+0.4	+0.4	0.0	+0.3	+0.4	+0.4
20	+0.3	+0.6	+0.8	+0.2	+0.4	+0.4	+0.3	+0.4	+0.4	+0.2	+0.2	+0.1	+0.3	+0.4	+0.3
21	+0.3	+0.5	+0.8	+0.3	+0.2	+0.3	+0.4	+0.5	+0.3	+0.2	+0.2	+0.1	+0.3	+0.4	+0.4
22	+0.4	+0.5	+0.8	+0.2	+0.1	+0.1	+0.4	+0.4	+0.3	+0.2	+0.3	+0.2	+0.4	+0.4	+0.3
23	+0.4	+0.5	+0.6	+0.2	+0.2	+0.1	+0.4	+0.3	+0.2	+0.2	+0.3	+0.3	+0.4	+0.3	+0.2
24	+0.3	+0.3	+0.6	+0.3	+0.2	+0.1	+0.3	+0.3	+0.2	+0.1	+0.3	+0.4	+0.3	+0.3	+0.2

1908.

1	+0.4	+0.3	+0.7	+0.4	+0.2	+0.2	+0.1	+0.3	+0.5	+0.1	+0.4	+0.4	+0.4	+0.4	+0.2
2	+0.5	+0.3	+0.6	+0.4	+0.2	+0.3	+0.2	+0.4	+0.5	0.0	+0.4	+0.4	+0.4	+0.4	+0.3
3	+0.5	+0.3	+0.6	+0.4	+0.2	+0.3	+0.3	+0.4	+0.5	0.0	+0.5	+0.3	+0.4	+0.4	+0.3
4	+0.5	+0.2	+0.5	+0.3	+0.3	+0.5	+0.3	+0.4	+0.5	0.0	+0.5	+0.2	+0.4	+0.3	+0.4
5	+0.3	+0.1	+0.4	+0.3	+0.2	+0.5	+0.3	+0.4	+0.5	0.0	+0.4	+0.2	+0.3	+0.3	+0.4
6	+0.3	+0.1	+0.4	+0.3	0.0	+0.3	+0.1	+0.4	+0.4	-0.1	+0.4	+0.1	+0.2	+0.2	+0.2
7	-0.1	-0.2	0.0	0.0	0.0	0.0	-0.1	+0.1	+0.1	-0.4	+0.1	-0.2	-0.2	-0.1	0.0
8	-0.6	-0.6	-0.5	+0.1	-0.1	-0.1	-0.3	-0.1	-0.1	-0.8	-0.3	-0.5	-0.5	-0.3	-0.2
9	-0.9	-0.7	-0.8	-0.2	-0.5	-0.5	-0.5	-0.4	-0.6	-0.7	-0.6	-0.7	-0.7	-0.6	-0.5
10	-1.0	-0.7	-1.1	-0.6	-0.8	-0.8	-0.8	-0.7	-0.8	-0.5	-0.9	-0.7	-0.8	-0.8	-0.8
11	-1.0	-0.5	-1.2	-0.7	-0.7	-0.8	-0.8	-0.8	-0.9	-0.5	-1.0	-0.7	-0.8	-0.8	-0.8
12	-0.9	-0.3	-1.1	-0.6	-0.6	-0.6	-0.8	-0.8	-0.8	-0.3	-0.9	-0.5	-0.6	-0.7	-0.7
13	-0.5	-0.2	-0.9	-0.5	-0.5	-0.3	-0.7	-0.6	-0.5	-0.1	-0.6	-0.2	-0.4	-0.5	-0.5
14	-0.2	-0.2	-0.5	-0.4	-0.1	-0.3	-0.4	-0.3	-0.1	+0.1	-0.4	0.0	-0.2	-0.2	-0.3
15	+0.1	-0.1	-0.2	-0.3	+0.2	0.0	-0.1	-0.1	0.0	+0.4	-0.3	0.0	-0.1	0.0	0.0
16	+0.2	+0.1	+0.1	-0.1	+0.4	+0.3	+0.2	+0.1	0.0	+0.5	0.0	+0.1	+0.1	+0.1	+0.2
17	+0.4	+0.2	+0.2	+0.1	+0.4	+0.4	+0.1	+0.2	0.0	+0.5	+0.2	+0.1	+0.2	+0.2	+0.3
18	+0.3	+0.2	+0.4	+0.1	+0.3	+0.4	+0.1	+0.1	0.0	+0.4	+0.2	+0.2	+0.2	+0.2	+0.2
19	+0.2	+0.3	+0.5	+0.1	+0.3	+0.1	+0.1	+0.1	0.0	+0.4	+0.3	+0.2	+0.2	+0.2	+0.2
20	+0.2	+0.2	+0.5	+0.2	+0.3	0.0	+0.1	+0.1	0.0	+0.3	+0.2	+0.2	+0.2	+0.2	+0.1
21	+0.2	+0.2	+0.4	+0.1	+0.3	0.0	0.0	0.0	0.0	+0.3	+0.3	+0.2	+0.2	+0.2	+0.1
22	+0.3	+0.2	+0.3	+0.1	+0.2	0.0	-0.1	+0.1	+0.1	+0.2	+0.3	+0.3	+0.3	+0.2	0.0
23	+0.3	+0.3	+0.4	+0.2	+0.1	0.0	0.0	+0.2	+0.2	+0.1	+0.4	+0.3	+0.3	+0.2	+0.1
24	+0.3	+0.3	+0.5	+0.3	+0.1	+0.1	0.0	+0.3	+0.4	0.0	+0.4	+0.3	+0.3	+0.3	+0.1

Diurnal variation of X.

1907.

Hour	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Group means		
	I	I	II	II	III	III	III	III	II	II	I	I	I	II	III
1	-2	-2	-5	-3	-3	-2	-8	-4	-3	-4	-4	-7	-4	-4	-4
2	-1	-2	-4	-4	-3	-2	-7	-3	-2	-3	-4	-6	-3	-3	-4
3	+1	-1	-3	-3	-3	-2	-7	-4	-2	-2	-3	-4	-2	-2	-4
4	+3	+1	0	-1	-2	-1	-6	-4	-3	-1	-1	-2	0	-1	-3
5	+4	+3	+1	-1	-3	-2	-4	-4	-3	0	-1	0	+2	-1	-3
6	+4	+6	+2	+2	0	+1	-1	-2	-2	0	+1	+2	+3	0	0
7	+8	+10	+5	+3	+1	+3	+4	0	+2	+1	+6	+7	+8	+3	+2
8	+11	+13	+5	+4	+3	+1	+7	+4	+4	+1	+9	+10	+11	+4	+4
9	+12	+13	+5	+7	+8	+3	+11	+11	+7	+4	+12	+10	+12	+6	+8
10	+8	+10	+8	+8	+12	+8	+13	+15	+11	+6	+13	+9	+10	+8	+12
11	+4	+9	+13	+8	+13	+9	+14	+15	+12	+11	+10	+6	+7	+11	+13
12	-1	+4	+14	+6	+12	+8	+13	+10	+10	+12	+7	+4	+4	+10	+11
13	-8	-3	+11	+4	+8	+8	+9	+4	+5	+9	+4	+1	-2	+7	+7
14	-13	-7	+5	+1	+2	+7	+5	-1	-2	+2	-1	-1	-6	+2	+3
15	-11	-8	+1	-2	-4	+1	+2	-3	-8	-5	-6	-3	-7	-4	-1
16	-6	-9	-3	-4	-7	-5	-1	-3	-6	-8	-8	-3	-6	-5	-4
17	-4	-8	-7	-4	-8	-6	-4	-5	-5	-5	-7	-2	-5	-5	-6
18	-2	-6	-7	-4	-7	-7	-6	-5	-3	-3	-5	-1	-4	-4	-6
19	-1	-5	-8	-4	-6	-5	-6	-3	-2	-2	-3	-1	-2	-4	-5
20	-1	-5	-8	-3	-3	-5	-6	-4	-2	-2	-3	-2	-3	-4	-4
21	-3	-4	-7	-4	-3	-3	-6	-4	-2	-3	-3	-3	-3	-4	-4
22	-2	-4	-7	-2	-2	-2	-6	-4	-2	-3	-4	-4	-4	-4	-4
23	-1	-3	-6	-2	-3	-2	-6	-3	-2	-3	-4	-5	-3	-3	-4
24	-1	-1	-6	-2	-3	-1	-5	-2	-1	-1	-3	-5	-2	-2	-3

1908.

1	-5	-4	-9	-5	-3	-5	-2	-3	-5	+1	-6	-3	-4	-4	-3
2	-5	-3	-8	-6	-2	-5	-3	-4	-5	+3	-6	-3	-4	-4	-4
3	-4	-2	-7	-4	-1	-5	-3	-4	-5	+4	-6	-1	-3	-3	-3
4	-2	0	-6	-3	-2	-7	-3	-5	-5	+5	-5	0	-2	-2	-4
5	0	+1	-4	-2	-1	-7	-2	-5	-4	+6	-4	+1	0	-1	-4
6	+1	+2	-4	-1	+2	-4	0	-4	-4	+7	-3	+2	0	0	-2
7	+8	+8	+2	+1	+1	0	+1	-5	-3	+9	+3	+7	+6	+2	-1
8	+15	+12	+9	0	+1	+3	+3	-3	-3	+11	+8	+9	+11	+4	+1
9	+15	+12	+13	+4	+5	+10	+7	+3	+3	+7	+10	+8	+11	+7	+6
10	+11	+8	+16	+9	+9	+14	+12	+8	+7	+2	+12	+6	+9	+8	+11
11	+9	+2	+17	+10	+9	+17	+12	+10	+10	+1	+12	+3	+6	+10	+12
12	+6	-2	+17	+9	+9	+13	+13	+10	+8	0	+9	0	+3	+8	+11
13	+2	0	+13	+8	+6	+10	+12	+9	+4	-3	+5	-2	+1	+6	+9
14	-4	-2	+7	+5	+1	+8	+9	+4	-1	-6	+3	-4	-2	+1	+6
15	-5	-1	+2	+3	-4	+2	+4	0	-3	-9	+1	-3	-2	-2	0
16	-6	-3	-3	-1	-5	-4	-1	-3	0	-10	0	-2	-3	-4	-3
17	-7	-3	-6	-3	-6	-7	-3	-2	0	-7	-3	-1	-4	-4	-4
18	-5	-4	-8	-3	-4	-8	-3	-1	0	-6	-3	-2	-4	-4	-4
19	-3	-5	-8	-3	-3	-4	-2	0	+2	-4	-3	-2	-3	-3	-2
20	-3	-4	-7	-3	-3	-3	-2	-1	+3	-3	-2	-2	-3	-2	-2
21	-4	-3	-6	-2	-3	-3	-1	0	+2	-3	-4	-2	-3	-2	-2
22	-5	-3	-5	-3	-2	-3	+1	-1	+1	-2	-5	-3	-4	-2	-1
23	-5	-3	-6	-4	-1	-4	0	-1	-1	0	-6	-3	-4	-3	-2
24	-4	-2	-8	-5	-1	-5	0	-2	-3	+1	-5	-2	-3	-4	-2

Diurnal variation of Y.

1907.

Hour	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Group means		
	I	I	II	II	III	III	III	III	II	II	I	I	I	II	III
1	\bar{r}	\bar{r}	\bar{r}	\bar{r}	\bar{r}	\bar{r}	\bar{r}	\bar{r}	\bar{r}	\bar{r}	\bar{r}	\bar{r}	\bar{r}	\bar{r}	\bar{r}
2	-2	-3	-2	-2	-1	-4	0	-2	-2	-2	-2	-1	-2	-2	-2
3	-2	-4	-3	-1	+2	-3	+1	-2	-2	-1	-2	-3	-2	-2	-1
4	-1	-4	-3	-1	+2	-1	+3	+2	+2	+2	-1	-2	-2	0	+2
5	0	-3	-3	0	+4	+2	+6	+4	+6	+3	0	-1	-1	+2	+4
6	+2	-1	-1	+4	+13	+9	+12	+14	+14	+7	+1	+1	+1	+6	+12
7	+2	-3	+5	+17	+23	+23	+22	+29	+27	+16	+5	0	+1	+16	+24
8	+12	+6	+18	+24	+26	+33	+28	+28	+31	+22	+13	+7	+10	+24	+29
9	+28	+21	+25	+29	+22	+28	+23	+22	+26	+19	+17	+17	+21	+25	+24
10	+28	+28	+23	+25	+13	+20	+14	+12	+15	+8	+17	+19	+23	+18	+15
11	+14	+23	+14	+16	+4	+8	+4	0	0	-4	+7	+12	+14	+6	+4
12	-4	+9	+3	+2	-4	-2	-7	-7	-13	-11	-4	-1	0	-5	-5
13	-16	-4	-11	-13	-13	-8	-16	-14	-21	-12	-9	-11	-10	-14	-13
14	-19	-14	-21	-22	-19	-14	-20	-16	-22	-12	-12	-14	-15	-19	-17
15	-17	-19	-21	-24	-19	-17	-19	-16	-18	-10	-13	-16	-16	-18	-18
16	-12	-17	-14	-19	-14	-16	-14	-14	-12	-7	-9	-9	-12	-13	-14
17	-6	-8	-7	-11	-9	-12	-8	-11	-6	-7	-7	-3	-6	-8	-10
18	-3	-1	-1	-7	-7	-9	-7	-7	-6	-5	-4	-1	-2	-5	-8
19	-2	-1	0	-7	-7	-7	-7	-6	-5	-3	-2	+1	-1	-4	-7
20	0	0	0	-6	-6	-7	-7	-5	-2	-2	+2	+3	+1	-3	-6
21	+2	+1	+1	-2	-5	-7	-5	-4	-3	0	+2	+4	+2	-1	-5
22	0	+1	0	-2	-2	-5	-3	-3	-3	-1	+2	+3	+2	2	-3
23	0	-1	-1	-2	-2	-4	-2	-3	-2	-1	+1	+2	0	-2	-3
24	0	-3	-1	-2	-1	-3	-2	-3	-3	-2	-1	-1	-1	-2	-2

1908.

1	-2	-2	-1	-2	0	-1	-2	-2	+1	-2	-1	-2	-2	-1	-1
2	-3	-3	-1	+1	0	-2	-2	-1	+2	-3	-1	-2	-2	0	-1
3	-4	-3	0	0	+1	0	0	0	+4	-2	-1	-3	-3	0	0
4	-3	-3	+2	+2	+3	+1	+2	+4	+4	-1	-1	-2	-2	+2	+2
5	-3	-2	+4	+3	+5	+3	+3	+7	+8	+1	0	0	-1	+4	+4
6	-2	-1	+5	+6	+13	+9	+14	+15	+14	+3	0	+2	0	+7	+13
7	-4	-1	+9	+17	+26	+18	+29	+35	+29	+11	+2	+2	0	+16	+27
8	+5	+11	+16	+21	+30	+20	+35	+37	+31	+20	+9	+10	+9	+22	+30
9	+18	+26	+19	+23	+24	+17	+25	+25	+22	+25	+16	+19	+20	+22	+23
10	+27	+32	+15	+22	+11	+11	+13	+12	+7	+22	+15	+20	+24	+16	+12
11	+21	+25	+6	+16	-2	+5	+1	-1	-6	+10	+8	+13	+17	+6	+1
12	+4	+8	-4	+1	-11	-2	-11	-12	-16	-4	-1	-3	+2	-6	-9
13	-11	-8	-13	-15	-18	-10	-20	-21	-23	-12	-6	-13	-10	-16	-17
14	-16	-19	-16	-22	-22	-16	-22	-24	-23	-15	-9	-14	-14	-19	-21
15	-14	-20	-13	-23	-20	-17	-20	-22	-18	-15	-9	-13	-14	-17	-20
16	-9	-17	-8	-15	-14	-11	-14	-17	-12	-12	-10	-8	-11	-12	-14
17	-5	-10	-4	-7	-7	-5	-6	-10	-8	-8	-8	-4	-7	-7	-7
18	-2	-5	-5	-5	-4	-3	-5	-7	-5	-7	-3	-2	-3	-6	-5
19	0	-4	-5	-5	-3	-4	-5	-7	-3	-5	-2	0	-2	-4	-5
20	+2	-1	-2	-5	-4	-3	-5	-5	-3	-2	0	+2	+1	-3	-4
21	+3	+1	-1	-4	-3	-3	-4	-3	-3	-1	+1	+2	+2	-2	-3
22	+2	+1	-1	-3	-2	-2	-4	-2	-1	-1	+1	+1	+1	-2	-2
23	0	+1	-1	-2	-2	-2	-3	0	-1	-2	+1	-1	0	-2	-2
24	-2	-2	-1	-2	-2	-2	-3	-2	0	-2	0	-2	-2	-1	-2

Summary of monthly means.

1907.

Month	D	H	I	X	Y	Z	F
	° /	γ	° /	γ	γ	γ	γ
January.....	-1 50.1	29151	49 26.0	29136	-933	34052	44825
February.....	50.5	149	26.5	134	937	058	829
March.....	51.4	151	27.6	135	944	084	850
April.....	51.6	151	28.1	135	946	093	857
May.....	52.2	153	28.3	137	951	100	863
June.....	52.9	145	29.8	129	957	120	874
July.....	54.1	134	30.4	118	967	119	865
August.....	54.6	130	30.2	114	971	111	856
September....	55.5	126	30.4	109	978	111	854
October.....	56.3	111	31.2	094	985	109	843
November.....	57.1	107	31.8	090	991	116	846
December.....	57.7	114	31.7	097	997	122	854
Mean.....	-1 53.7	29135	49 29.3	29119	-963	34100	44851

1908.

January.....	-1 58.2	29100	49 32.3	29082	-1000	34118	44843
February.....	59.0	089	33.6	072	1007	131	846
March.....	59.8	090	34.2	072	1014	144	856
April.....	2 00.3	080	34.3	062	1017	135	843
May.....	00.9	062	34.6	044	1022	120	820
June.....	02.0	049	35.4	031	1031	120	812
July.....	03.0	045	35.9	026	1039	126	813
August.....	03.8	030	37.8	011	1045	147	819
September....	05.0	018	39.2	28999	1055	160	922
October.....	05.6	021	39.1	29001	1060	161	824
November.....	06.0	013	39.6	28993	1063	162	820
December.....	06.5	008	39.5	989	1067	154	811
Mean.....	-2 02.5	29050	49 36.3	29032	-1035	34140	44827

Summary of annual means.

Year	D	H	I	X	Y	Z	F
	° /	γ	° /	γ	γ	γ	γ
1903.....	-1 23.2	29365	49 10.0	29356	-710	33980	44910
1904.....	1 31.0	295	15.0	285	776	33999	879
1905.....	1 38.3	250	17.0	238	836	33986	840
1906.....	1 45.9	202	22.1	188	900	34033	844
1907.....	1 53.7	135	29.3	119	963	34100	851
1908.....	-2 02.5	050	36.3	032	-1035	34140	827

JANUARY, 1907.

1° WEST PLUS TABULAR MINUTES.

Day	1 ^h	2 ^h	3 ^h	4 ^h	5 ^h	6 ^h	7 ^h	8 ^h	9 ^h	10 ^h	11 ^h	Noon	13 ^h	14 ^h	15 ^h
1	50.1	50.2	50.2	50.1	49.8	49.6	50.1	49.4	47.9	47.7	47.8	48.2	50.2	51.0	51.0
2	50.0	50.3	50.2	50.3	49.8	49.5	50.0	48.9	48.0	48.0	47.9	48.5	49.9	51.2	51.5
3*	49.9	50.0	50.0	50.2	50.0	49.8	49.8	48.7	46.5	45.9	47.1	47.9	49.8	51.3	52.0
4	50.6	50.7	50.8	50.8	50.4	50.4	50.5	49.5	47.5	46.8	46.8	47.9	50.0	51.8	52.7
5	49.8	50.1	50.6	50.6	50.7	51.2	51.6	49.9	47.5	46.4	47.7	49.2	52.1	53.8	53.8
6	49.9	49.9	50.1	50.1	49.9	49.8*	49.8	48.9	47.4	45.8	45.9	47.9	50.4	52.3	52.4
7	48.8	49.0	48.9	48.9	48.9	49.0	48.8	48.1	45.6	45.7	46.2	48.6	50.5	51.8	51.8
8	48.1	48.7	48.8	48.7	48.8	48.8	49.0	47.8	45.9	44.6	(45.4)	(48.1)	50.7	52.6	52.6
9*	50.5	50.5	50.4	50.0	50.0	50.2	50.2	49.1	47.4	45.7	46.0	48.8	50.1	51.0	52.0
10	50.5	50.8	50.8	50.8	50.4	50.4	50.7	48.9	46.8	46.0	47.2	50.5	51.5	51.4	51.8
11	49.6	49.5	49.6	50.0	51.0	50.2	51.2	48.8	50.8	48.9	49.6	51.6	52.3	51.8	52.0
12	50.7	50.6	50.1	50.3	50.0	50.4	49.7	47.9	45.8	45.8	47.0	49.7	50.7	52.3	51.8
13*	50.0	49.8	49.9	49.8	49.9	49.6	49.9	48.6	46.3	47.3	49.0	50.5	51.4	51.0	50.8
14*	50.1	50.3	49.9	49.4	49.7	49.4	49.3	48.6	46.8	47.1	49.5	52.5	53.5	53.1	51.7
15	50.1	49.9	48.9	51.9	49.6	49.1	50.0	48.8	47.2	47.0	49.9	52.0	53.0	52.5	50.9
16	51.5	51.1	51.2	50.8	49.9	49.6	49.1	47.9	45.9	46.1	50.1	52.4	53.1	52.6	51.7
17	50.9	51.1	51.0	50.9	50.2	49.9	49.7	48.3	47.2	46.5	48.5	51.4	53.3	52.9	51.1
18*	50.6	50.6	50.6	50.4	50.3	50.0	49.8	48.5	47.0	47.4	50.1	53.3	54.0	53.2	52.0
19*	50.6	50.6	50.5	50.5	50.3	49.7	49.6	48.6	46.7	46.3	48.8	51.9	52.9	52.8	52.2
20*	50.6	50.6	50.3	50.4	50.3	50.1	49.7	48.1	46.1	46.5	48.8	51.1	52.6	53.2	52.9
21*	50.2	50.4	50.4	50.2	50.0	49.4	48.9	47.3	46.1	46.8	48.7	50.8	52.1	52.8	53.2
22	50.3	50.3	50.4	50.6	50.1	49.7	49.1	47.1	46.4	45.8	47.3	49.7	50.3	51.3	52.7
23	49.8	50.3	51.4	50.6	50.3	50.2	49.7	48.3	46.5	45.1	46.2	49.2	51.5	52.9	52.9
24	49.8	50.2	50.2	50.2	50.1	50.1	50.3	48.1	47.4	46.1	47.1	49.9	52.5	53.8	53.2
25*	50.3	50.3	50.4	50.6	50.1	51.3	50.6	49.3	47.8	48.0	47.8	49.3	51.1	52.1	52.3
26*	50.6	50.7	50.7	50.8	50.7	50.3	50.3	49.3	47.8	47.5	48.7	50.4	52.7	53.5	53.2
27	50.2	50.4	50.2	49.8	50.2	50.2	50.8	50.0	49.3	48.8	48.9	49.9	50.4	50.9	51.0
28	50.7	51.3	50.8	50.5	50.4	50.6	51.2	49.3	47.4	47.2	48.1	49.7	51.1	50.7	50.3
29	50.3	50.3	50.3	50.4	50.3	50.3	50.3	49.1	47.4	47.1	47.3	49.1	51.8	53.5	54.1
30	50.2	50.4	50.6	50.6	50.3	50.2	50.7	48.4	47.3	46.3	47.1	49.2	49.2	51.0	52.3
31	50.2	50.3	50.2	50.2	50.0	50.0	50.1	49.2	49.0	48.7	49.5	50.6	52.1	53.2	53.6
Mean.....	50.2	50.3	50.3	50.3	50.1	50.0	50.0	48.7	47.2	46.7	47.3	49.9	51.5	52.2	52.2
Mean *....	50.3	50.4	50.3	50.2	50.1	50.0	49.8	48.6	46.8	46.8	48.4	50.6	52.0	52.4	52.2

FEBRUARY, 1907.

1° WEST PLUS TABULAR MINUTES.

1	51.0	51.2	51.1	51.0	50.6	50.6	50.7	49.3	47.3	45.6	46.4	47.9	48.7	50.0	50.6
2*	50.9	50.8	50.8	50.8	50.6	50.3	50.4	50.7	49.3	47.3	48.1	50.6	52.6	53.1	52.7
3*	50.7	50.8	51.0	50.9	50.7	50.3	50.6	49.0	47.8	47.6	48.6	49.9	50.4	51.2	51.7
4*	51.1	51.2	51.2	51.0	50.8	50.8	50.2	49.0	47.7	46.4	47.2	49.6	52.1	53.6	53.8
5*	50.7	51.0	51.1	51.2	50.7	50.4	50.0	48.4	46.8	46.2	47.1	49.0	50.7	52.0	52.7
6	50.6	51.0	50.9	51.0	50.8	50.6	50.3	48.2	46.2	45.5	45.9	48.2	50.1	51.8	53.0
7	49.7	49.8	49.2	49.2	54.2	54.2	51.8	48.1	49.3	47.3	45.8	47.2	49.3	51.1	52.5
8	49.5	50.0	50.4	50.7	51.0	50.9	50.9	50.5	48.9	48.4	48.7	49.8	50.7	52.2	53.3
9	49.5	48.8	51.8	48.6	50.3	49.8	50.9	49.0	48.5	46.3	50.5	52.2	53.4	55.7	57.8
10	50.0	50.4	50.4	50.6	50.6	49.9	49.2	48.0	47.7	47.5	48.2	49.3	50.7	53.4	54.7
11	51.3	51.5	51.4	51.3	51.2	51.0	51.0	49.5	47.4	47.0	47.2	48.7	50.0	50.8	52.8
12*	51.0	51.6	51.3	51.2	51.2	51.0	51.2	49.5	47.8	46.7	46.8	48.3	50.5	52.8	54.5
13	51.5	51.5	51.5	51.2	51.2	50.4	51.1	49.4	47.2	46.4	46.5	48.2	50.5	52.8	54.4
14	52.0	55.4	52.8	54.9	53.1	53.9	54.0	51.1	50.8	49.3	47.9	49.9	50.8	51.6	53.6
15	50.9	50.8	50.9	51.1	50.9	52.1	52.6	51.0	48.2	47.6	47.2	48.4	49.6	50.9	53.9
16*	50.3	50.3	50.7	51.4	50.9	50.9	51.7	50.6	47.8	48.1	48.2	48.9	49.5	50.5	51.3
17*	50.9	51.0	51.6	51.3	51.7	51.1	51.6	50.8	49.0	47.8	47.9	49.1	51.5	53.7	54.4
18*	51.2	51.1	51.0	51.0	51.2	50.5	51.1	50.4	48.3	46.9	47.5	48.5	50.1	51.9	52.9
19	51.2	51.2	51.7	51.7	52.0	51.6	51.9	50.6	48.7	47.9	48.0	48.3	50.2	51.6	52.2
20	49.5	50.5	51.0	51.5	51.6	51.7	52.0	50.9	49.0	48.5	49.4	50.6	51.4	51.8	52.0
21	49.3	50.1	50.4	50.7	50.7	50.6	50.7	49.9	48.7	47.1	46.7	46.9	49.9	51.4	52.4
22	50.5	50.4	50.5	50.5	51.0	51.0	51.4	50.1	48.5	48.1	49.5	51.1	51.5	52.7	52.0
23	51.3	51.3	51.3	51.1	50.5	50.4	49.9	48.7	48.0	47.3	47.6	48.0	48.8	49.8	50.0
24	49.9	49.6	50.4	51.1	50.1	51.0	50.9	48.5	47.9	47.0	47.0	47.7	48.7	50.5	51.1
25	50.2	50.8	50.9	51.0	50.7	50.5	50.8	50.8	49.7	48.7	49.2	50.2	51.0	51.7	51.1
26*	50.6	50.8	51.0	50.8	50.7	50.1	50.7	49.6	48.3	47.7	48.3	50.1	50.8	51.1	51.1
27*	51.0	51.0	51.1	51.1	50.8	50.7	50.5	49.3	47.7	46.8	48.0	50.1	51.8	52.8	53.3
28	50.8	51.0	51.0	51.2	51.3	50.8	50.1	49.3	46.9	45.8	47.1	49.8	52.1	53.1	53.8
Mean.....	50.6	50.9	51.0	51.0	51.1	51.0	51.0	49.7	48.2	47.2	47.7	49.2	50.6	52.0	52.8
Mean *....	50.8	51.0	51.1	51.1	50.9	50.6	50.8	49.7	48.0	47.2	47.8	49.4	51.0	52.3	52.8

* The mean hourly values given on the bottom line are derived from the "quiet days" indicated by asterisks.

JANUARY, 1907.

1° WEST PLUS TABULAR MINUTES.

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean	Maximum			Minimum			Range	Day
										<i>h</i>	<i>m</i>	<i>s</i>	<i>h</i>	<i>m</i>	<i>s</i>		
50.9	50.5	49.5	49.5	49.5	48.8	49.3	49.3	49.3	49.6	15	23	51.2	9	43	47.5	3.7	1
50.7	49.9	49.8	49.7	49.7	49.3	49.4	49.8	49.8	49.7	15	00	51.5	9	43	47.8	3.7	2
51.9	50.8	50.1	50.1	50.0	49.7	49.9	50.0	50.2	49.6	15	34	52.2	9	39	45.8	6.4	3
52.4	50.9	50.0	49.8	49.8	49.8	49.8	49.8	49.6	50.0	15	00	52.7	10	16	46.6	6.1	4
52.7	51.8	51.0	50.9	50.5	49.9	49.5	49.8	50.3	50.5	14	15	54.0	9	44	46.3	7.7	5
51.9	51.0	49.8	49.7	49.3	48.9	48.8	48.7	48.7	49.5	14	22	52.7	10	14	45.6	7.1	6
51.4	50.6	50.2	49.7	49.3	48.5	47.5	47.8	48.0	48.9	14	34	51.9	9	17	45.0	6.9	7
51.2	50.2	49.6	49.6	49.3	49.5	49.6	49.9	50.3	49.1	14	00	52.6	10	00	44.6	8.0	8
52.6	52.0	51.2	50.8	50.4	50.2	50.5	50.5	50.2	50.0	16	00	52.6	10	34	44.9	7.7	9
51.6	50.9	50.2	50.2	50.2	50.1	49.7	49.5	49.7	50.0	15	21	52.1	10	16	45.9	6.2	10
51.7	50.7	50.3	49.7	49.6	49.8	50.0	49.9	50.0	50.4	13	18	52.9	8	17	48.0	4.9	11
51.3	50.9	49.9	50.2	50.0	49.8	49.9	50.3	50.0	49.8	14	20	52.8	9	25	45.3	7.5	12
51.0	51.1	50.8	50.4	50.2	49.9	50.3	50.4	50.2	49.9	12	56	51.5	9	12	46.2	5.3	13
51.4	49.7	50.1	49.2	49.7	49.6	49.4	49.6	49.9	50.0	13	02	53.6	9	31	46.6	7.0	14
49.8	50.1	50.1	50.1	49.9	49.7	50.2	50.6	51.0	50.1	13	13	53.0	9	25	46.7	6.3	15
50.7	50.4	50.8	50.5	50.4	49.9	49.9	50.7	50.6	50.3	13	25	53.1	9	27	45.0	8.1	16
49.7	49.8	50.3	50.0	49.4	50.0	50.1	50.2	50.4	50.1	13	12	53.4	9	40	46.4	7.0	17
50.7	50.0	50.1	50.1	50.1	50.0	50.3	50.4	50.4	50.4	13	00	54.0	9	09	46.6	7.4	18
51.2	50.8	50.4	50.0	49.6	49.2	50.0	50.1	50.1	50.1	13	00	52.9	9	27	46.0	6.9	19
51.3	50.0	50.0	50.2	50.0	50.0	50.0	50.1	50.1	50.1	14	12	53.4	9	29	45.9	7.5	20
52.3	51.2	50.7	50.6	50.2	50.0	50.1	50.1	50.1	50.1	14	57	53.3	8	51	46.0	7.3	21
52.3	51.4	50.7	50.7	49.7	48.8	48.4	48.8	49.4	48.6	14	43	52.9	10	18	45.7	7.2	22
52.9	52.1	50.7	50.5	50.0	49.8	49.2	50.1	50.0	50.0	15	00	52.9	10	18	44.8	8.1	23
53.1	52.0	50.6	50.6	50.4	50.1	50.2	50.1	50.3	50.3	13	51	53.8	10	05	46.0	7.8	24
51.7	51.2	50.7	50.6	50.6	50.4	50.4	50.3	50.3	50.3	14	28	52.4	9	34	46.9	5.5	25
52.4	51.6	51.3	51.2	50.7	50.3	50.2	50.2	50.3	50.6	14	28	53.7	9	26	47.4	6.3	26
51.1	50.8	49.7	50.7	50.1	49.8	50.2	50.7	50.5	50.2	16	00	51.1	10	29	48.3	2.8	27
50.5	50.8	51.0	50.5	50.9	50.3	50.3	50.3	50.3	50.2	7	00	51.2	9	39	46.7	4.5	28
54.0	52.8	51.3	51.3	50.9	50.3	50.2	50.1	50.2	50.5	15	00	54.1	10	00	47.1	7.0	29
52.1	51.3	51.3	51.1	51.2	50.3	50.5	50.2	50.1	50.0	15	27	52.4	10	00	46.3	6.1	30
52.5	51.5	51.1	50.8	50.4	49.8	50.3	50.2	50.6	50.6	14	44	53.9	9	42	48.6	5.3	31
51.6	50.9	50.4	50.3	50.1	49.8	49.8	50.0	50.0	50.0							6.4	
51.6	50.8	50.5	50.3	50.2	49.9	50.1	50.2	50.2	50.1							6.7	

FEBRUARY, 1907.

1° WEST PLUS TABULAR MINUTES.

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean	Maximum			Minimum			Range	Day
										<i>h</i>	<i>m</i>	<i>s</i>	<i>h</i>	<i>m</i>	<i>s</i>		
50.4	50.7	50.9	50.8	50.4	50.3	50.4	50.6	50.7	49.9	0	14	51.3	10	22	45.2	6.1	1
52.5	52.0	51.2	50.8	50.6	50.4	50.4	50.4	50.6	50.8	14	00	53.1	10	21	46.8	6.3	2
52.2	51.9	51.4	51.2	50.9	50.6	50.3	50.7	50.8	50.5	16	00	52.2	9	31	47.4	4.8	3
53.5	52.2	51.2	50.9	50.7	50.5	50.6	50.6	50.7	50.7	15	00	53.8	10	12	46.3	7.5	4
52.8	52.2	51.3	51.1	50.6	50.3	50.3	50.2	50.6	50.3	15	46	53.1	10	00	46.2	6.9	5
53.1	52.8	51.6	50.9	50.8	50.9	51.1	49.6	49.7	50.2	16	00	53.1	10	21	45.3	7.8	6
52.4	51.8	51.7	51.6	52.0	49.8	48.6	49.4	49.0	50.2	6	06	54.4	11	06	45.8	8.6	7
53.4	52.9	52.3	52.4	51.6	48.6	50.3	50.3	50.2	50.7	16	00	53.4	20	56	48.1	5.3	8
53.8	55.3	50.5	46.8	45.3	50.4	44.5	49.8	49.9	50.4	14	07	58.9	21	36	42.1	16.8	9
55.2	54.0	52.9	52.8	51.5	50.8	51.3	51.2	51.2	50.9	16	00	55.2	10	00	47.5	7.7	10
53.5	52.3	50.4	52.2	51.3	50.5	51.3	50.3	50.8	50.6	15	36	53.6	10	14	46.8	6.8	11
54.3	52.9	51.7	51.5	51.7	51.3	51.3	51.3	51.0	50.9	15	06	55.0	10	32	46.4	8.6	12
55.5	53.5	52.0	52.0	51.8	51.5	51.5	51.6	51.6	51.0	16	00	55.5	10	21	46.1	9.4	13
54.1	52.9	51.2	50.9	50.0	50.2	50.2	50.9	50.6	51.8	2	10	55.6	10	58	47.9	7.7	14
53.1	52.0	51.0	50.6	50.3	49.8	50.2	49.9	49.9	50.5	15	14	54.1	9	43	47.1	7.0	15
51.1	50.6	50.4	50.1	50.0	50.3	50.5	50.6	50.9	50.2	4	30	51.9	9	52	47.1	4.8	16
53.3	51.5	50.5	50.5	50.6	50.8	50.9	51.1	51.3	51.0	15	00	54.4	10	22	47.4	7.0	17
52.2	50.4	49.4	49.5	49.6	50.0	50.0	50.5	50.8	50.2	15	00	52.9	10	00	46.9	6.0	18
52.3	51.5	50.6	50.6	50.2	50.0	49.8	49.6	49.7	50.6	16	00	52.3	10	00	47.9	4.4	19
52.0	51.5	50.1	50.1	50.1	49.9	49.7	49.9	49.9	50.6	6	28	52.4	10	00	48.5	3.9	20
52.1	50.8	50.3	50.3	50.3	50.0	50.0	49.8	49.9	50.0	15	00	52.4	10	48	46.7	5.7	21
51.5	50.6	50.6	50.6	50.7	50.4	50.6	50.9	51.0	50.7	14	00	52.7	10	00	48.1	4.6	22
49.9	49.4	49.1	49.2	47.9	48.9	49.0	48.9	48.8	49.4	2	56	51.6	10	00	47.3	4.3	23
51.2	50.7	49.7	49.7	49.6	48.9	49.5	49.4	49.4	49.6	15	50	51.5	10	08	46.8	4.7	24
51.1	50.7	50.7	50.5	50.1	50.2	50.6	50.1	50.0	50.5	14	17	51.8	10	14	48.2	3.6	25
50.7	50.3	50.3	50.1	50.1	50.3	50.6	50.9	50.9	50.2	14	00	51.1	10	00	47.7	3.4	26
52.5	51.3	50.1	50.3	50.3	50.3	49.7	50.0	50.6	50.5	15	00	53.3	10	00	46.8	6.5	27
53.5	52.3	51.3	51.3	51.5	51.1	51.2	50.2	51.4	50.7	15	00	53.8	10	00	45.8	8.0	28
52.6	51.8	50.9	50.7	50.4	50.2	50.2	50.3	50.4	50.5							6.6	
52.5	51.5	50.8	50.6	50.5	50.5	50.5	50.6	50.8	50.5							6.2	

MARCH, 1907.

1° WEST PLUS TABULAR MINUTES.

Day	1 ^h	2 ^h	3 ^h	4 ^h	5 ^h	6 ^h	7 ^h	8 ^h	9 ^h	10 ^h	11 ^h	Noon	13 ^h	14 ^h	15 ^h
1	52.0	52.1	52.1	51.8	51.7	51.3	51.3	49.5	48.3	47.9	48.5	50.3	52.7	53.1	52.6
2	50.2	50.5	50.2	50.0	49.9	49.7	49.5	48.7	48.6	48.6	49.1	(49.7)	(50.8)	(52.6)	(52.8)
3*	51.2	51.2	51.4	50.3	51.1	51.2	51.1	49.7	48.7	48.7	49.3	51.0	52.2	53.3	52.9
4	51.4	51.3	51.7	51.6	51.5	51.3	50.9	49.1	47.7	47.2	47.6	48.8	51.2	53.0	53.4
5*	51.4	51.7	51.8	51.7	51.8	51.6	51.6	48.9	47.3	47.9	48.8	49.0	51.3	53.9	54.6
6	50.7	50.7	50.9	50.8	51.0	51.4	51.3	50.1	47.8	47.1	47.1	48.4	49.9	51.0	52.2
7	51.4	51.4	51.5	51.5	51.2	51.3	51.5	50.6	49.7	49.3	50.1	51.9	52.8	53.2	53.7
8	51.0	51.3	51.0	51.3	51.1	51.0	50.2	48.9	48.1	48.4	50.1	52.2	53.4	53.5	53.4
9	51.5	51.5	51.4	51.3	50.8	50.8	50.9	50.0	48.2	48.4	49.4	50.3	51.1	51.7	53.0
10	52.0	50.9	51.3	50.1	50.2	50.7	50.3	48.7	49.1	49.1	49.1	50.3	51.3	51.7	52.1
11	50.1	50.9	51.3	52.1	52.3	51.3	51.1	50.1	49.6	50.5	52.0	52.5	52.6	52.4	52.3
12	50.7	49.9	53.0	50.2	52.7	51.3	49.2	47.9	47.9	49.2	51.1	52.2	53.1	53.4	53.4
13	52.1	52.1	51.0	51.9	51.2	51.3	51.0	49.6	(49.1)	(49.9)	(51.7)	(53.6)	(55.3)	(55.8)	(55.6)
14*	52.6	52.4	52.2	51.8	51.6	51.5	50.2	47.9	47.1	47.8	49.8	52.8	55.5	56.4	56.3
15*	52.4	52.5	52.3	52.5	52.3	52.2	51.3	50.3	49.7	49.6	50.5	51.8	54.0	55.6	55.7
16*	52.5	53.0	52.8	52.3	52.4	52.1	51.8	49.9	49.2	48.9	49.9	51.4	52.9	54.0	54.1
17*	52.3	52.4	52.5	52.3	52.3	51.9	51.1	49.3	48.2	48.1	48.2	49.1	51.2	52.4	53.1
18	52.1	52.1	52.1	52.1	51.7	51.7	51.0	49.8	48.5	48.0	48.4	49.8	50.8	52.0	52.6
19*	51.3	51.4	51.4	51.3	51.3	51.3	50.4	49.0	47.7	47.8	47.8	49.4	51.2	52.8	53.4
20	50.8	50.8	50.7	51.0	51.9	52.3	52.3	50.9	49.8	49.6	49.9	50.7	51.8	53.1	53.8
21	51.4	51.2	51.5	51.4	51.6	51.8	51.4	50.0	49.2	48.0	48.7	50.0	52.4	54.0	54.1
22*	50.1	50.6	50.8	51.3	51.5	51.2	50.0	49.6	49.2	49.8	50.9	51.9	52.8	53.3	53.1
23*	51.1	51.2	51.1	51.8	51.4	51.1	50.2	49.4	48.5	49.6	50.4	50.7	50.9	51.6	52.2
24	50.3	50.5	50.8	51.3	51.3	51.0	50.5	49.3	48.5	49.1	50.2	51.4	52.7	53.2	53.1
25	(50.6)	(50.7)	(51.0)	(51.3)	(51.2)	(51.0)	(50.3)	(48.6)	(48.4)	(48.9)	50.2	50.9	51.9	52.6	53.1
26	50.6	50.8	51.1	51.3	51.3	51.1	50.3	48.3	48.7	49.3	50.8	51.8	52.9	53.2	52.0
27	50.2	50.2	50.3	50.5	50.9	50.7	(50.5)	50.2	50.4	50.6	51.2	52.0	53.2	53.9	(52.7)
28	50.0	50.3	50.5	50.9	50.8	50.3	49.3	49.0	48.6	49.7	51.1	52.1	52.6	52.9	52.4
29*	51.2	51.1	51.1	51.6	51.5	51.3	50.3	49.2	49.0	49.5	51.6	53.7	54.9	55.1	53.9
30	51.8	52.4	52.4	52.2	52.0	51.5	49.7	49.3	48.9	49.7	51.7	53.2	54.2	55.0	54.5
31	....	....	....	....	....	....	....	47.8	46.8	46.6	47.9	50.6	52.6	....	....
Mean.....	51.2	51.3	51.4	51.4	51.4	51.3	50.7	49.4	48.6	48.8	49.8	51.0	52.4	53.3	53.4
Mean*.....	51.6	51.8	51.7	51.7	51.7	51.5	50.8	49.3	48.5	48.8	49.7	51.1	52.7	53.8	53.9

APRIL, 1907.

1° WEST PLUS TABULAR MINUTES.

1	....	....	....	....	....	....	....	48.9	48.4	47.9	....	....	....	....	....
2*	51.0	51.2	51.4	51.5	51.6	51.4	50.1	48.8	47.8	47.4	49.0	51.1	52.4	53.3	53.1
3*	51.2	51.3	51.3	51.2	51.1	50.9	49.9	48.4	47.4	47.7	48.7	50.6	52.2	52.6	52.4
4	51.6	52.0	52.1	51.9	51.8	51.4	50.0	48.2	47.1	47.9	....	....	....	....	....
5	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
6	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
7	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
8	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
9	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
10	....	....	....	....	....	....	....	....	....	....	....	....	....	....	52.8
11	51.8	51.8	51.7	51.6	52.1	50.9	49.0	48.6	49.4	49.6	50.6	52.1	53.2	54.1	53.7
12	51.9	51.9	51.7	51.6	51.2	50.0	47.9	47.6	48.0	49.6	51.9	53.9	55.6	56.0	55.1
13	52.2	52.2	52.2	51.7	51.5	50.6	48.0	45.9	46.7	48.8	51.3	54.8	56.9	57.2	56.3
14	52.2	52.2	53.8	51.9	50.5	49.5	47.9	48.3	48.1	49.3	50.9	53.2	55.1	55.7	55.3
15	52.9	51.7	51.9	51.3	51.3	50.5	48.7	47.7	47.7	48.4	50.5	53.2	55.3	56.1	56.2
16	51.4	51.9	51.3	51.1	51.7	51.3	49.2	47.4	46.4	46.4	48.7	51.5	53.9	55.3	55.8
17*	52.2	51.7	52.5	52.2	51.6	50.9	49.4	48.0	47.2	47.2	48.4	50.0	52.7	54.9	55.6
18	52.6	52.9	52.1	51.9	51.7	51.6	49.8	48.6	47.9	48.1	49.5	51.3	53.7	55.0	55.4
19*	52.1	52.3	52.0	52.3	52.1	51.6	50.6	49.4	48.3	48.5	49.7	51.5	53.8	55.0	54.1
20*	51.7	51.7	51.8	51.7	51.6	51.3	49.9	49.3	49.0	48.8	49.5	50.6	52.3	53.7	54.6
21*	51.9	51.9	51.8	51.7	51.7	51.2	50.3	50.0	49.9	49.5	49.9	51.3	52.7	53.7	54.3
22*	52.0	51.8	51.8	51.6	51.4	51.1	49.4	49.0	48.7	49.1	49.6	50.8	52.9	54.5	55.4
23*	52.1	52.0	51.7	51.7	51.8	51.1	48.8	48.1	47.1	48.0	49.6	51.3	53.1	54.9	54.7
24*	52.3	52.1	52.0	51.8	51.6	51.1	49.4	49.2	49.7	51.0	51.8	52.7	53.6	54.5	54.6
25	51.8	51.8	51.9	51.7	51.3	50.4	49.4	49.9	50.5	51.8	53.2	54.2	55.3	56.0	55.8
26	52.0	51.6	51.6	52.2	51.1	49.7	47.9	47.7	49.0	50.9	52.1	52.9	54.1	54.9	55.1
27	51.7	51.4	51.4	51.1	50.8	49.7	48.8	49.8	50.3	51.3	53.1	54.4	55.6	56.0	55.1
28	51.5	52.0	51.6	51.3	51.3	50.3	49.1	48.3	49.1	49.3	50.2	51.5	53.4	54.6	54.4
29*	51.9	51.4	51.4	51.4	51.6	50.4	48.9	47.4	47.2	49.1	51.3	53.7	55.5	55.4	55.2
30	52.3	52.3	52.3	52.1	51.8	51.0	48.6	46.7	46.4	47.8	51.0	53.3	54.7	56.1	56.2
Mean.....	51.9	51.9	51.9	51.7	51.5	50.7	49.1	48.4	48.3	49.0	50.5	52.3	54.0	55.0	54.9
Mean*.....	51.8	51.7	51.8	51.7	51.6	51.1	49.7	48.8	48.2	48.6	49.8	51.4	53.1	54.2	54.4

* The mean hourly values given on the bottom line are derived from the "quiet days" indicated by asterisks.

HOURLY VALUES OF DECLINATION.

27

MARCH, 1907.

1° WEST PLUS TABULAR MINUTES.

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean	Maximum		Minimum		Range	Day
										<i>h</i>	<i>m</i>	<i>h</i>	<i>m</i>		
52.5 (52.8)	51.7 (52.4)	51.8 52.1	50.6 51.6	51.2 51.6	51.1 51.1	49.6 51.0	50.1 51.1	49.2 51.1	51.0 50.7	13	28	53.3	10	16	1
52.4	52.6	52.1	52.0	51.9	51.7	51.6	51.5	51.7	51.3	14	27	53.4	10	00	2
53.1	52.7	51.9	52.4	51.9	51.4	50.9	51.2	51.2	51.0	15	00	53.4	10	08	3
54.4	53.8	52.8	52.0	51.6	51.2	51.1	50.8	50.6	51.3	15	00	54.6	9	00	4
53.1	52.9	52.4	52.2	52.0	51.7	51.3	51.1	51.3	50.8	16	00	53.1	10	36	6
53.5	52.4	51.9	51.9	52.0	51.4	51.5	51.5	51.4	51.6	15	16	54.1	9	44	7
52.8	52.0	51.9	51.8	51.7	51.5	51.4	51.4	51.4	51.3	14	00	53.5	9	00	8
53.5	53.2	52.0	51.9	51.4	51.2	50.0	50.0	51.1	51.0	16	00	53.5	9	00	9
51.7	49.4	49.5	48.9	48.4	50.0	49.6	50.1	49.8	50.2	14	46	52.7	6	30	10
51.1	51.4	51.8	51.7	51.5	50.4	49.4	49.4	49.6	51.1	14	09	53.0	9	00	11
52.3	51.6	51.1	51.4	51.6	51.6	51.7	51.4	52.0	51.2	13	42	54.4	8	51	12
(53.1)	52.3	52.1	51.9	51.6	52.1	52.2	52.4	52.5	52.1	14	00	55.8	9	00	13
52.8	52.1	51.3	51.4	51.4	51.7	52.0	52.6	52.2	51.8	14	00	56.4	8	46	14
54.7	53.3	52.6	52.4	52.3	52.3	52.4	52.5	52.7	52.4	14	40	55.9	9	30	15
53.3	52.2	51.5	51.5	51.6	51.7	51.8	52.0	52.2	51.9	14	36	54.2	10	00	16
52.9	52.2	51.5	51.3	51.4	51.5	51.6	51.8	51.8	51.3	15	00	53.1	9	15	17
51.9	51.2	51.2	51.2	51.0	51.0	50.9	51.1	51.2	51.0	15	00	52.6	10	00	18
53.6	52.6	52.0	51.5	51.6	51.2	51.0	51.0	51.1	51.0	15	36	54.1	9	17	19
53.1	51.7	51.1	51.2	51.5	51.4	51.0	51.1	51.1	51.4	15	00	53.8	10	00	20
53.5	52.0	51.5	49.3	51.1	50.3	50.5	50.0	51.0	51.1	14	42	54.5	10	00	21
52.8	51.9	51.3	50.9	50.9	50.8	50.9	51.1	51.1	51.2	14	00	53.3	8	25	22
51.6	50.7	49.8	49.9	50.3	50.3	50.3	50.1	50.2	50.6	15	00	52.2	9	00	23
51.7	50.8	50.6	(50.5)	(50.7)	(50.5)	(50.5)	(50.5)	(50.5)	50.8	14	00	53.2	9	00	24
53.0	51.3	50.7	50.5	50.6	50.2	50.2	50.5	50.6	50.8	14	30	53.3	9	00	25
51.9	50.8	50.8	50.7	51.1	50.9	50.6	50.7	50.6	50.9	14	00	53.2	9	18	26
(51.9)	50.5	50.2	50.2	50.4	50.4	49.9	50.0	49.9	50.9	14	00	53.9	24	00	27
51.9	50.9	50.8	50.8	50.8	51.0	51.0	51.0	51.0	50.8	14	00	52.9	9	00	28
52.5	51.5	51.3	51.3	51.4	51.4	51.6	51.6	51.7	51.6	14	00	55.1	8	08	29
53.6	49.7	50.9	50.1	....	....	....	....	....	....	14	00	55.0	9	00	30
....	51.1	50.6	50.6	....	....	....	....	....	....	.....	....	....	9	41	31
52.7	51.9	51.4	51.2	51.3	51.1	50.9	51.0	51.1	51.2					5.5	
53.1	52.3	51.6	51.4	51.4	51.4	51.4	51.5	51.5	51.4					6.0	

APRIL, 1907.

1° WEST PLUS TABULAR MINUTES.

....	....	49.7	50.1	50.5	50.6	50.6	50.7	50.9	....	14	00	53.3	10	00	47.4	5.9
52.8	51.7	51.0	51.1	50.9	50.7	50.7	51.0	51.0	50.9	14	00	52.6	9	00	47.4	5.2
52.1	51.7	51.6	51.5	51.4	51.1	51.1	51.1	51.2	50.8	14	00	52.1	9	00	47.1	5.0
....	....	....	....	....	....	....	....	....	....	3	00	....	....	....	....	....
....
....
....
....
52.5	52.1	52.1	52.4	52.3	52.3	52.1	52.1	52.1	....	..	..	....	..	..	....	....
53.4	51.9	52.0	52.3	51.8	51.8	51.7	51.9	51.9	51.6	14	00	54.1	8	00	48.6	5.5
53.9	52.4	52.2	52.2	52.6	52.5	52.2	52.4	52.4	51.9	14	00	56.0	8	30	47.2	8.8
54.8	53.3	52.3	52.7	52.5	52.1	51.3	51.8	51.6	52.0	14	00	57.2	8	00	45.9	11.3
54.4	53.6	52.4	52.1	52.4	51.9	51.9	51.9	51.9	51.9	14	21	55.8	7	07	47.8	8.0
54.9	53.0	52.2	52.7	52.7	52.2	51.4	51.9	51.8	51.9	14	51	56.3	8	14	47.3	9.0
55.2	53.7	52.3	53.0	52.4	52.3	51.6	51.8	52.9	51.6	15	22	56.0	9	34	46.3	9.7
55.1	53.6	52.9	52.7	52.7	50.6	51.2	52.2	52.5	51.6	15	00	55.6	9	32	47.0	8.6
54.8	53.1	53.1	52.6	52.6	51.4	51.5	52.0	53.3	51.9	14	35	55.5	9	20	47.7	7.8
53.4	52.7	52.7	52.3	52.0	51.8	51.3	51.5	51.8	51.8	14	00	55.0	9	00	48.3	6.7
54.1	53.6	52.9	52.7	52.5	52.0	51.8	51.9	51.9	51.7	15	00	54.6	9	22	48.7	5.9
54.1	53.3	52.7	52.4	52.5	52.3	52.2	52.2	51.9	51.9	15	18	54.4	10	00	49.5	4.9
54.7	54.0	53.5	53.2	53.0	52.8	52.6	52.5	52.3	52.0	15	18	55.5	9	12	48.7	6.8
53.8	53.1	53.1	53.0	52.8	52.5	52.5	52.5	52.2	51.7	14	15	55.0	8	52	47.0	8.0
53.9	53.0	52.8	52.7	52.7	52.4	52.2	52.2	52.1	52.1	14	19	54.6	7	45	47.8	6.8
54.7	53.4	53.4	52.6	52.3	52.2	52.1	52.0	52.0	52.5	14	33	56.1	6	47	49.2	6.9
54.9	54.4	53.7	53.3	53.0	52.5	52.6	52.5	52.0	52.2	15	00	55.1	7	26	47.4	7.7
54.5	53.3	52.6	52.4	52.6	52.1	52.2	52.1	52.0	52.3	14	00	56.0	6	40	48.6	7.4
53.9	52.8	52.4	52.1	52.3	52.4	52.2	51.2	51.7	51.6	14	00	54.6	8	00	48.3	6.3
54.3	52.7	52.1	52.4	52.5	52.4	52.5	52.3	52.4	51.9	14	14	55.6	7	42	46.6	9.0
(55.3)	(53.7)	52.8	53.0	53.0	52.9	52.8	52.7	52.6	52.0	14	37	56.5	8	41	46.1	10.4
54.2	53.1	52.6	52.5	52.4	52.3	51.9	51.8	52.0	51.8						7.5	
53.8	52.9	52.5	52.4	52.3	51.9	51.8	51.9	51.9	51.6						6.8	

MAY, 1907.

1° WEST PLUS TABULAR MINUTES.

Day	1 ^h	2 ^h	3 ^h	4 ^h	5 ^h	6 ^h	7 ^h	8 ^h	9 ^h	10 ^h	11 ^h	Noon	13 ^h	14 ^h	15 ^h
1*	52.7	52.6	52.5	52.4	52.2	51.7	50.7	49.9	49.0	50.1	51.0	53.1	54.7	55.7	55.7
2	52.4	52.4	52.2	52.0	51.6	51.7	51.1	51.1	50.7	51.0	51.6	52.9	53.9	55.4	56.5
3	51.8	51.8	52.1	51.6	51.5	51.3	49.5	49.1	48.9	49.0	49.8	50.6	52.7	54.7	55.9
4*	52.1	51.9	51.7	51.6	51.4	50.4	49.7	50.1	50.0	49.7	50.6	51.6	53.1	54.9	55.5
5*	52.2	52.2	51.9	52.2	51.6	51.2	49.6	49.8	49.8	51.3	51.9	51.8	52.3	53.5	54.2
6	52.5	52.4	52.4	51.8	51.6	50.6	48.8	50.8	50.7	52.0	52.9	53.6	54.5	55.4	55.0
7*	52.6	52.1	52.3	52.0	51.8	51.4	50.3	49.4	50.2	49.7	50.3	51.1	52.5	53.5	54.1
8*	52.3	52.1	52.0	51.7	51.6	50.5	49.0	48.7	49.5	50.3	50.7	51.6	52.7	53.0	52.8
9	52.4	52.1	51.7	51.5	51.3	50.0	48.6	49.2	50.4	52.9	54.5	54.7	54.8	54.5	53.6
10	52.3	52.1	52.1	51.8	51.6	50.4	49.1	49.4	51.1	52.8	53.5	54.0	54.6	54.9	54.7
11	52.4	52.3	51.9	51.5	51.0	49.5	46.7	45.9	47.5	50.3	51.5	53.0	53.9	53.9	53.6
12	52.5	52.6	52.5	52.3	51.9	50.6	48.9	48.7	49.5	51.7	53.0	54.0	54.9	55.8	55.9
13	51.4	51.2	52.1	51.3	50.3	49.7	48.8	46.8	46.8	47.6	49.4	51.7	53.3	54.7	55.7
14	50.7	50.9	51.0	51.0	51.0	49.8	48.5	48.0	48.7	50.4	52.3	53.3	54.9	55.7	56.9
15	51.5	51.9	51.0	51.4	51.7	50.5	49.5	48.5	48.4	50.9	52.8	54.2	55.9	56.7	56.3
16*	51.4	51.6	51.7	51.4	51.4	50.7	49.7	48.8	48.5	48.8	50.3	51.6	53.3	53.8	54.7
17*	52.3	52.1	52.1	52.5	52.1	51.3	50.0	49.0	49.8	50.8	51.9	52.8	54.2	55.1	54.4
18	52.1	51.8	51.9	52.3	52.5	51.0	49.6	48.6	49.3	49.6	51.5	52.8	54.3	56.5	59.3
19	50.9	50.4	51.1	51.3	51.2	50.3	49.2	48.6	48.8	49.9	50.4	51.8	52.9	53.6	54.7
20	51.9	51.6	51.5	52.0	52.1	50.5	49.1	48.6	49.2	49.6	50.3	51.5	52.1	53.3	54.1
21	52.2	51.9	51.4	51.4	51.4	50.7	50.6	51.0	51.0	51.4	52.2	52.4	52.5	52.8	52.6
22	50.9	51.4	51.9	51.6	51.4	50.4	48.9	49.5	50.9	50.9	51.9	52.1	52.8	53.7	53.6
23*	52.1	52.1	51.7	51.7	51.2	49.9	49.6	49.7	50.3	51.6	52.7	53.1	54.0	54.1	53.7
24	53.2	52.2	51.9	53.1	52.4	50.6	49.9	49.8	50.3	51.9	53.2	53.6	54.1	54.2	54.5
25	52.3	52.1	52.0	51.5	51.0	50.2	48.8	48.6	50.7	51.6	52.1	52.7	53.4	54.1	54.7
26*	53.2	52.4	52.0	52.3	51.7	49.9	49.0	48.4	50.5	52.9	54.1	55.0	54.9	54.6	53.6
27*	52.7	52.4	52.3	52.1	51.8	50.1	47.9	47.1	48.9	50.9	53.4	54.6	55.3	55.7	55.9
28	52.6	52.5	52.1	51.6	51.0	49.9	46.9	46.5	47.8	50.5	53.5	55.2	56.0	57.1	56.9
29	52.2	52.6	53.3	51.7	51.6	51.9	49.6	48.8	49.9	51.3	51.8	53.7	54.0	53.9	54.8
30	52.5	52.6	52.4	52.3	52.2	50.9	48.9	48.9	49.8	50.8	51.8	53.0	54.8	55.5	55.6
31	51.7	52.0	52.0	51.8	52.1	50.6	48.3	46.8	47.6	49.7	50.7	51.9	54.2	54.8	55.0
Mean.....	52.1	52.0	52.0	51.8	51.6	50.6	49.2	48.8	49.5	50.7	51.9	52.9	53.9	54.7	55.0
Mean*.....	52.4	52.2	52.0	52.0	51.7	50.7	49.6	49.1	49.6	50.6	51.7	52.6	53.7	54.4	54.5

JUNE, 1907.

1° WEST PLUS TABULAR MINUTES.

1*	52.7	52.3	52.3	52.5	52.4	51.6	49.8	48.0	48.7	49.8	51.2	52.3	53.5	54.1	54.4
2	52.7	52.6	52.9	52.5	52.0	51.1	50.5	50.5	51.9	52.9	52.0	51.9	52.0	53.0	53.6
3	52.4	52.5	52.1	52.0	51.4	50.1	49.1	49.7	50.7	52.0	53.2	53.7	54.1	54.1	53.7
4	51.9	52.1	51.9	51.9	51.4	49.8	48.2	49.6	50.1	50.8	51.7	52.4	53.4	53.9	54.1
5*	52.4	52.4	52.3	51.8	51.3	50.1	49.7	50.1	52.5	54.2	54.9	54.5	53.6	53.5	53.2
6	52.7	52.6	52.5	52.2	51.9	51.5	50.1	50.4	51.4	52.0	51.8	52.1	51.9	52.3	52.6
7	51.8	52.6	52.5	52.0	51.6	49.9	48.4	48.8	50.7	53.2	54.1	54.4	55.2	55.5	55.2
8*	53.5	53.2	53.0	53.0	52.9	52.1	50.4	48.6	48.6	49.0	50.6	52.0	53.6	54.6	55.0
9	53.1	52.9	52.7	52.3	51.8	50.9	48.8	47.6	48.4	50.0	52.0	53.7	54.6	54.9	55.2
10	52.0	50.7	51.1	52.0	51.6	50.6	49.4	49.7	50.3	52.1	53.5	54.9	55.6	56.0	55.8
11	53.5	52.7	52.7	52.9	53.0	50.9	49.3	49.1	49.9	50.9	52.6	54.3	54.8	55.8	56.3
12	52.6	52.4	52.8	52.3	52.3	52.4	50.8	49.0	48.8	49.5	50.8	52.7	54.5	55.4	56.0
13*	53.3	53.5	53.4	53.4	52.7	51.5	49.3	47.6	48.4	50.3	53.2	54.7	54.7	55.2	55.4
14*	53.5	53.2	52.9	52.5	52.4	51.8	49.8	48.1	48.7	49.0	50.3	52.5	53.8	55.0	55.2
15*	53.3	53.2	53.1	53.1	53.0	52.7	51.9	50.3	49.9	50.3	50.5	51.0	51.7	53.0	54.2
16*	53.2	53.1	53.2	53.5	52.7	52.4	50.7	49.6	50.1	50.5	51.7	52.7	54.2	54.3	54.4
17	53.3	53.7	53.1	53.0	53.0	51.8	50.7	50.9	52.1	53.0	54.1	54.5	54.7	55.2	54.8
18	53.2	52.1	52.1	52.1	52.6	51.0	50.4	49.1	50.1	51.3	51.4	52.6	53.8	55.1	56.3
19	53.5	53.4	53.3	53.3	52.7	51.3	50.6	50.9	52.2	51.8	51.8	52.9	54.8	55.7	55.6
20	51.6	52.0	52.4	52.0	51.9	49.9	49.3	49.9	51.1	51.9	52.9	53.5	53.6	54.5	55.6
21	53.6	53.5	53.4	53.7	53.2	51.6	50.9	51.4	52.2	52.6	53.6	54.4	54.3	54.9	55.4
22	53.0	53.4	52.9	52.4	52.7	50.6	49.1	48.7	50.2	50.4	52.5	53.6	55.9	56.1	57.0
23	53.5	54.4	54.1	53.1	52.7	51.4	50.4	49.8	50.6	51.4	52.6	53.6	54.5	55.4	55.9
24	52.9	52.9	54.1	52.8	51.9	50.4	48.9	48.6	49.8	51.7	53.3	55.1	55.8	56.2	55.8
25*	53.7	53.6	52.9	52.7	52.4	51.3	49.2	48.7	48.8	49.8	51.5	53.4	54.7	55.8	56.1
26	53.6	53.8	53.6	53.1	52.7	51.4	50.0	49.1	48.1	50.8	53.0	54.5	54.9	54.9	55.2
27	53.3	53.8	53.6	54.9	52.8	51.4	50.3	50.1	51.3	52.4	52.9	53.9	55.4	56.6	57.0
28	53.9	53.1	53.1	53.4	52.7	52.5	50.7	49.6	50.6	52.7	53.3	53.8	54.1	55.1	55.9
29*	54.2	54.0	53.7	53.7	53.4	52.1	50.6	50.0	50.3	51.4	53.1	53.4	53.1	54.1	55.2
30*	53.8	53.7	53.7	53.5	53.5	52.2	50.0	48.2	49.6	50.7	51.8	53.7	54.7	55.4	55.7
Mean.....	53.1	53.0	52.9	52.8	52.4	51.3	49.9	49.4	50.2	51.3	52.4	53.4	54.2	54.9	55.2
Mean*.....	53.4	53.2	53.0	53.0	52.7	51.8	50.1	48.9	49.6	50.5	51.9	53.0	53.8	54.5	54.9

*The mean hourly values given on the bottom line are derived from the "quiet days" indicated by asterisks.

MAY, 1907.

1° WEST PLUS TABULAR MINUTES.

16 ^h	17 ^h	18 ^h	19 ^h	20 ^h	21 ^h	22 ^h	23 ^h	24 ^h	Mean	Maximum			Minimum			Range	Day
										<i>h</i>	<i>m</i>		<i>h</i>	<i>m</i>			
54.9	53.6	52.5	52.6	52.6	52.5	52.6	52.4	52.4	52.5	14	21	55.8	8	19	48.9	6.9	1
56.2	55.2	54.0	53.1	52.4	52.5	52.4	52.4	52.3	52.8	15	00	56.5	8	34	50.6	5.9	2
55.8	54.8	53.8	53.1	52.9	53.0	52.5	51.5	51.9	52.1	15	22	56.3	8	43	48.6	7.7	3
55.6	54.7	54.1	53.3	53.2	53.1	52.8	52.6	52.6	52.3	16	00	55.6	7	29	49.0	6.6	4
54.2	53.7	53.6	53.6	53.6	53.4	52.9	52.6	52.1	52.3	15	25	54.5	8	17	49.7	4.8	5
53.6	52.6	52.2	52.7	52.6	51.5	52.4	52.4	52.4	52.4	14	00	55.4	7	04	48.6	6.8	6
54.0	53.7	53.6	53.2	52.8	52.8	52.6	52.4	52.3	52.1	15	00	54.1	8	13	48.9	5.2	7
52.5	52.5	52.6	52.7	52.7	52.7	52.7	52.6	52.5	51.8	14	00	53.0	7	21	48.5	4.5	8
53.3	52.5	52.5	52.6	52.7	52.6	52.6	52.4	51.7	52.3	13	00	54.8	7	00	48.6	6.2	9
53.7	52.5	51.9	52.0	52.3	52.3	52.4	52.5	52.5	52.4	13	31	55.2	7	10	48.6	6.6	10
53.4	53.0	52.5	52.5	52.6	52.5	52.4	52.5	52.5	51.6	14	19	54.1	7	36	45.9	8.2	11
54.9	53.8	52.7	52.4	51.4	51.9	51.5	50.5	51.1	52.3	14	27	56.1	7	44	48.5	7.6	12
54.6	53.8	53.8	53.2	52.8	52.2	51.2	51.6	51.1	51.5	15	25	56.2	8	37	46.3	9.9	13
55.9	54.9	54.4	53.3	52.9	52.7	51.9	51.2	50.4	52.1	15	22	57.8	7	44	47.9	9.9	14
56.1	54.9	53.8	53.2	53.0	52.7	51.0	51.2	51.4	52.4	14	03	56.8	8	16	48.1	8.7	15
54.4	53.6	53.6	53.4	52.9	52.1	52.0	51.9	52.4	51.8	15	00	54.7	9	12	48.3	6.4	16
53.3	52.6	52.8	52.8	52.7	52.3	51.8	51.6	51.5	52.2	14	00	55.1	8	00	49.0	6.1	17
57.8	56.9	55.9	54.3	53.6	52.9	50.6	51.8	53.3	52.9	14	54	59.7	7	53	48.3	11.4	18
54.6	54.0	53.3	53.3	53.3	52.6	51.9	52.7	51.7	51.8	15	00	54.7	8	27	48.5	6.2	19
54.2	(53.8)	(53.3)	(51.3)	(52.6)	53.0	52.4	52.3	52.5	51.8	15	12	54.5	8	00	48.6	5.9	20
52.9	53.2	53.6	53.4	53.7	53.3	52.9	52.4	50.8	52.2	20	00	53.7	6	48	50.3	3.4	21
53.4	53.5	53.2	53.2	53.1	52.8	52.8	52.7	52.6	52.0	14	00	53.7	7	05	48.9	4.8	22
53.2	53.2	53.3	53.1	53.0	53.2	52.8	52.5	52.2	52.2	13	34	54.4	6	44	49.2	5.2	23
54.1	53.2	53.5	53.9	52.3	52.4	52.1	52.2	52.2	52.5	15	00	54.5	6	50	49.5	5.0	24
54.1	53.7	53.8	53.1	53.1	53.0	52.9	52.7	52.6	52.3	14	50	54.9	7	31	48.1	6.8	25
52.6	51.8	52.1	52.7	52.8	52.7	52.4	52.4	52.3	52.3	12	16	55.1	7	47	48.1	7.0	26
54.9	53.8	53.1	52.9	52.9	52.9	52.9	52.8	52.8	52.5	15	00	55.9	7	37	46.9	9.0	27
55.3	54.4	53.9	52.8	51.4	52.2	51.0	51.1	52.1	52.3	14	25	57.2	8	00	46.5	10.7	28
54.8	53.8	52.9	52.2	52.2	52.5	52.6	52.7	52.6	52.4	15	23	55.1	8	10	48.5	6.6	29
54.9	53.4	52.5	53.0	53.0	53.0	52.9	52.8	51.8	52.5	15	00	55.6	7	29	48.8	6.8	30
54.2	53.2	53.1	53.2	53.1	53.0	53.0	52.9	52.8	52.0	15	00	55.0	8	33	46.7	8.3	31
54.4	53.7	53.3	53.0	52.8	52.7	52.3	52.2	52.1	52.2							6.9	
54.0	53.3	53.1	53.0	52.9	52.8	52.6	52.4	52.3	52.2							6.2	

JUNE, 1907.

1° WEST PLUS TABULAR MINUTES.

16 ^h	17 ^h	18 ^h	19 ^h	20 ^h	21 ^h	22 ^h	23 ^h	24 ^h	Mean	Maximum			Minimum			Range	Day
										<i>h</i>	<i>m</i>		<i>h</i>	<i>m</i>			
53.8	53.3	52.9	52.9	53.0	52.9	52.7	52.7	52.8	52.2	15	00	54.4	8	05	47.9	6.5	1
53.9	53.8	53.5	53.0	52.8	52.8	52.3	52.7	52.5	52.5	16	00	53.9	8	00	50.5	3.4	2
53.6	53.4	53.4	53.7	53.3	53.1	52.8	51.8	51.8	52.4	12	51	54.1	6	54	48.9	5.2	3
54.3	54.5	53.8	53.7	53.5	53.2	52.8	52.7	52.3	52.2	15	45	54.6	7	12	47.9	6.7	4
52.9	53.4	53.8	53.9	53.7	53.5	53.1	52.8	52.8	52.8	11	00	54.9	7	12	49.1	5.8	5
52.1	52.9	52.9	52.7	52.6	52.5	50.9	52.2	51.8	52.0	14	47	52.9	7	31	49.3	3.6	6
54.2	53.5	53.1	53.5	53.4	53.4	52.9	53.1	52.8	52.7	13	16	55.9	7	38	48.2	7.7	7
54.6	53.8	53.6	53.6	53.6	53.6	53.5	53.2	53.1	52.6	15	00	55.0	8	22	48.5	6.5	8
55.0	54.4	53.9	53.9	54.4	53.7	52.6	52.8	51.6	52.6	15	00	55.2	8	06	47.3	7.9	9
56.0	54.8	54.6	54.3	53.8	53.8	53.3	52.4	52.5	53.0	14	26	56.2	7	10	48.8	7.4	10
56.0	55.0	54.2	53.8	53.8	53.8	52.8	52.7	52.5	53.1	15	17	56.6	7	54	48.6	8.0	11
55.8	54.9	53.8	53.5	53.1	53.0	52.8	53.0	53.5	52.7	15	00	56.0	8	40	48.2	7.8	12
55.4	54.6	53.7	53.6	53.9	53.7	53.5	53.4	53.1	53.0	15	45	55.6	8	17	47.3	8.3	13
55.3	54.8	54.1	53.7	53.6	53.5	53.1	53.0	53.2	52.6	16	00	55.3	8	00	48.1	7.2	14
54.6	54.5	53.8	53.5	53.6	53.6	53.4	53.2	53.2	52.7	16	00	54.6	9	13	49.6	5.0	15
54.7	54.4	54.0	53.9	53.7	53.7	53.5	53.5	53.4	53.0	16	00	54.7	7	45	49.6	5.1	16
54.0	53.6	53.6	53.7	53.8	53.9	53.8	53.6	53.5	53.4	14	00	55.2	7	00	50.7	4.5	17
56.0	55.5	54.6	55.0	54.8	54.6	54.3	52.9	53.5	53.1	15	22	56.4	8	00	49.1	7.3	18
55.6	55.4	54.4	54.7	53.0	53.3	52.6	51.4	52.0	53.2	14	41	56.2	6	36	50.2	6.0	19
55.5	54.3	54.2	54.4	54.5	54.3	53.9	53.6	53.6	52.9	15	00	55.6	6	54	49.0	6.6	20
55.3	54.7	54.2	54.6	54.7	53.7	52.4	53.2	52.9	53.5	14	26	55.5	7	00	50.9	4.6	21
55.5	55.3	53.4	55.2	55.2	54.8	54.3	54.3	53.9	53.4	14	37	57.1	8	12	48.0	9.1	22
55.4	54.4	54.2	54.1	54.1	53.6	53.5	52.8	53.2	53.3	14	47	56.0	7	36	49.3	6.7	23
54.9	53.7	53.7	54.0	53.6	52.9	53.5	53.8	53.8	53.1	14	00	56.2	8	13	48.4	7.8	24
55.8	54.8	54.4	54.3	54.1	54.0	53.8	53.8	53.8	53.1	14	44	56.3	8	35	48.4	7.9	25
55.1	54.4	54.3	54.7	54.4	54.5	53.8	53.4	52.7	53.2	15	00	55.2	8	49	47.7	7.5	26
55.6	55.0	54.3	53.9	53.9	53.4	53.4	53.0	53.9	53.6	15	00	57.0	7	45	50.0	7.0	27
55.5	55.2	54.6	54.4	54.1	53.4	53.3	53.2	53.7	53.4	15	26	56.0	7	35	49.2	6.8	28
55.1	54.7	54.6	54.4	54.2	54.1	53.7	53.7	53.8	53.4	15	00	55.2	7	45	49.7	5.5	29
55.6	55.1	54.7	53.9	54.1	53.9	54.0	54.1	53.7	53.3	14	43	55.8	7	52	48.0	7.8	30
54.9	54.4	53.9	54.0	53.8	53.6	53.2	53.1	53.0	52.9							6.6	
54.8	54.3	54.0	53.8	53.8	53.6	53.4	53.3	53.3	52.9							6.6	

JULY, 1907.

1° WEST PLUS TABULAR MINUTES.

Day	1 ^h	2 ^h	3 ^h	4 ^h	5 ^h	6 ^h	7 ^h	8 ^h	9 ^h	10 ^h	11 ^h	Noon	13 ^h	14 ^h	15 ^h
1	53.7	53.7	54.5	54.0	52.7	52.5	52.4	50.2	50.3	50.7	50.9	52.5	54.7	56.3	56.7
2	54.2	53.7	53.7	54.9	53.7	52.0	51.6	52.6	51.0	52.0	54.2	56.1	57.6	58.7	58.6
3	53.6	54.1	53.4	53.5	53.8	54.0	51.9	50.0	50.4	51.2	52.5	53.1	54.2	54.9	55.1
4*	54.2	54.0	53.9	54.6	53.6	52.4	51.0	50.6	51.2	51.9	52.6	53.2	53.3	53.9	54.8
5	53.9	53.9	53.6	53.3	52.9	51.8	50.8	50.6	51.0	52.2	53.6	54.0	55.2	56.0	55.7
6	52.8	52.8	52.8	52.8	53.2	50.7	49.8	50.3	51.0	52.3	52.6	53.4	54.2	55.3	55.6
7	53.3	53.5	53.1	51.3	51.5	50.1	48.9	50.7	53.7	53.9	53.9	54.5	53.9	53.9	54.1
8	53.5	53.6	53.5	53.1	53.1	51.7	50.4	51.7	52.7	53.9	55.0	54.6	55.1	55.3	55.4
9	53.7	53.6	53.5	53.2	52.8	51.7	50.7	50.5	51.5	52.1	53.6	53.1	54.3	55.3	55.8
10	53.9	54.5	53.8	53.3	52.9	51.4	50.0	51.0	52.9	54.5	55.6	56.6	56.7	57.4	56.2
11	54.3	54.6	56.0	54.5	54.4	52.1	52.5	49.8	50.0	50.4	52.1	53.5	55.7	56.7	56.9
12	54.5	54.5	55.0	56.3	54.6	52.8	52.0	50.3	50.0	50.5	51.9	53.2	55.2	56.2	57.0
13*	54.4	54.4	54.1	53.8	53.8	53.0	51.4	50.4	50.4	50.7	51.0	52.4	54.6	56.6	57.1
14	54.0	54.1	53.9	53.7	53.6	52.6	51.2	50.7	51.7	52.2	53.9	55.5	56.4	57.4	57.3
15*	54.3	54.1	54.1	53.7	53.6	53.1	52.4	49.9	49.4	49.8	51.4	54.4	56.9	58.3	57.8
16*	54.2	54.2	54.3	53.8	53.6	53.3	52.2	51.5	51.4	51.5	52.5	53.6	55.3	55.4	55.8
17*	54.2	54.0	53.8	53.7	53.4	52.6	51.6	51.6	52.6	53.7	55.3	56.8	57.4	56.9	56.5
18*	53.8	53.7	53.7	53.5	53.4	52.9	51.8	50.8	50.8	52.0	53.5	55.3	55.9	55.8	55.5
19	54.0	54.1	53.8	53.9	53.7	53.1	52.4	52.3	52.4	52.7	53.2	54.0	55.4	57.3	56.9
20*	53.5	53.5	53.5	52.9	52.6	51.7	50.8	50.6	51.4	52.9	53.9	55.2	56.5	57.3	56.8
21*	54.1	53.8	53.7	53.5	53.2	51.9	50.5	50.6	51.6	53.7	55.3	55.9	55.9	55.5	55.5
22	53.8	54.4	53.1	52.8	52.7	51.6	50.9	50.5	52.5	54.0	55.7	56.3	56.3	55.8	55.5
23*	53.8	54.0	53.7	53.5	53.1	52.3	51.2	50.7	51.9	53.8	55.7	56.5	56.4	56.6	56.5
24	54.6	54.6	54.1	54.1	53.9	52.4	51.0	52.1	53.0	53.1	53.8	53.6	53.7	55.2	56.1
25	54.4	54.6	54.1	53.3	53.1	52.5	54.2	51.4	50.6	50.6	51.1	51.8	52.5	54.5	55.5
26	53.9	54.8	54.6	54.6	53.6	52.5	51.2	51.4	52.0	53.4	54.1	55.0	55.8	56.9	56.4
27	54.4	54.5	54.6	55.9	54.4	53.3	53.2	52.4	52.9	53.4	53.6	53.7	55.6	56.7	56.0
28	53.4	56.0	53.2	54.9	56.3	53.5	51.8	51.7	50.6	50.5	52.2	53.8	55.6	56.6	56.8
29	53.6	54.6	55.3	53.1	53.8	52.6	51.7	51.9	51.6	51.5	51.7	52.9	53.7	55.2	56.6
30*	54.3	54.3	54.3	54.2	53.5	53.1	51.6	51.3	51.8	53.3	54.7	55.6	56.5	56.9	56.3
31	54.4	54.5	54.2	54.0	53.5	52.8	52.2	52.5	53.2	52.8	53.4	54.1	55.3	55.6	55.5
Mean....	54.0	54.1	54.0	53.8	53.5	52.4	51.5	51.1	51.5	52.3	53.4	54.3	55.3	56.1	56.2
Mean*....	54.1	54.0	53.9	53.7	53.4	52.6	51.4	50.8	51.2	52.3	53.6	54.9	55.9	56.3	56.3

AUGUST, 1907.

1° WEST PLUS TABULAR MINUTES.

Day	1 ^h	2 ^h	3 ^h	4 ^h	5 ^h	6 ^h	7 ^h	8 ^h	9 ^h	10 ^h	11 ^h	Noon	13 ^h	14 ^h	15 ^h
1	54.8	54.3	54.3	54.1	55.0	52.6	50.5	52.0	54.0	55.3	55.3	55.0	54.8	55.8	56.7
2	54.4	54.0	53.5	53.3	53.9	53.2	50.4	50.2	51.4	52.2	53.8	54.7	56.1	56.3	56.7
3	54.4	56.1	54.1	54.1	53.9	53.2	51.8	52.0	52.3	52.9	54.5	56.0	56.5	56.6	56.6
4	54.2	54.0	53.4	53.7	55.4	53.8	53.1	52.5	52.5	53.0	53.5	54.9	56.2	56.5	57.3
5*	54.5	54.9	54.5	54.3	54.1	53.3	52.0	52.4	52.9	54.4	55.3	55.2	54.5	54.8	55.9
6	54.5	54.3	54.5	54.3	54.0	53.0	51.2	51.0	51.4	52.2	53.3	55.1	56.3	57.5	57.5
7	54.2	54.4	54.1	53.7	53.3	52.6	52.1	52.5	53.1	54.7	55.8	57.4	58.2	56.7	55.7
8*	54.3	54.4	54.3	54.1	53.6	52.4	51.0	52.0	51.3	51.2	51.9	52.8	54.7	56.1	56.3
9	55.0	54.6	55.1	54.9	53.3	52.7	52.3	52.0	53.2	54.0	55.0	55.7	56.0	56.4	56.4
10*	54.9	54.6	54.3	54.0	53.3	52.3	50.4	51.1	52.8	54.8	55.5	55.7	56.9	56.9	56.8
11*	55.1	54.7	54.4	54.3	54.3	53.3	52.2	52.5	53.4	54.1	55.4	55.8	56.1	56.2	56.2
12*	54.4	54.6	54.4	54.2	53.9	53.0	50.9	50.7	51.0	52.2	54.0	55.6	56.7	56.8	56.5
13*	54.7	54.7	54.4	54.3	54.0	53.0	51.0	50.6	52.0	53.0	54.3	55.3	55.9	56.2	56.1
14	54.6	54.3	54.3	54.0	53.7	52.6	50.6	50.7	52.3	54.1	55.6	57.0	57.5	57.6	58.1
15*	54.6	54.7	54.7	54.3	54.0	53.0	51.0	51.1	51.6	51.7	54.1	55.7	56.1	56.5	56.5
16	54.8	54.7	54.4	54.2	53.7	53.8	52.7	52.7	52.2	51.8	52.6	54.0	55.7	56.7	56.4
17	54.1	54.0	54.1	54.0	53.9	53.9	52.7	51.7	52.3	52.9	52.8	53.1	54.2	54.7	55.1
18	54.8	54.7	54.7	54.2	53.9	53.0	51.9	52.5	52.9	53.6	55.1	56.1	57.7	57.1	56.4
19	54.6	54.2	54.6	54.3	53.6	52.7	51.7	52.1	52.4	53.4	54.9	55.9	56.2	56.8	57.3
20	54.7	54.8	54.7	54.4	53.7	52.4	51.7	51.6	52.0	53.3	54.7	55.8	56.6	57.1	57.2
21	54.3	53.9	56.8	53.8	54.7	53.0	51.2	52.1	51.7	51.7	53.2	55.1	55.9	56.8	56.9
22	55.1	55.1	54.6	55.1	53.9	52.9	51.6	51.8	55.0	55.3	57.3	57.3	56.8	56.7	56.1
23	55.1	56.0	56.1	56.1	53.8	51.9	49.5	49.4	51.8	53.3	54.8	54.2	55.1	55.9	56.3
24	55.3	55.2	55.1	54.8	54.5	52.6	51.1	51.1	52.2	53.2	54.7	55.4	57.0	57.8	57.5
25*	55.4	55.4	55.1	55.0	55.2	53.6	50.8	50.8	51.8	52.7	54.5	55.2	56.2	57.4	57.2
26	55.2	55.3	55.6	55.5	55.8	54.2	51.5	49.9	49.2	51.8	54.5	56.8	58.6	59.5	59.4
27*	55.5	55.4	55.5	55.1	54.6	53.7	51.5	50.3	50.7	52.2	54.3	55.7	(57.3)	(57.5)	(57.3)
28	55.1	55.1	55.0	54.9	54.5	53.4	51.7	51.8	53.6	55.1	56.5	58.0	58.7	57.7	56.7
29*	54.9	54.7	54.5	53.8	53.4	52.0	50.4	50.7	51.9	54.2	55.5	56.6	56.7	56.4	55.7
30	55.0	54.9	54.8	54.2	53.7	51.7	48.9	49.0	49.6	51.7	55.1	56.3	56.6	56.7	57.2
31	56.6	55.2	54.8	54.1	53.7	52.6	50.8	51.4	53.5	55.5	57.2	57.6	58.6	58.8	59.4
Mean....	54.8	54.7	54.7	54.4	54.1	52.9	51.3	51.4	52.2	53.3	54.7	55.6	56.5	56.8	56.8
Mean*....	54.8	54.8	54.6	54.3	54.0	53.0	51.1	51.2	51.9	53.0	54.5	55.4	56.1	56.5	56.4

*The mean hourly values given on the bottom line are derived from the "quiet days" indicated by asterisks.

HOURLY VALUES OF DECLINATION.

31

JULY, 1907.

1° WEST PLUS TABULAR MINUTES.

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean	Maximum		Minimum		Range	Day
										h m		h m			
55.9	55.0	55.2	54.4	54.6	54.2	53.4	53.6	53.5	53.6	14 43	56.8	8 13	49.8	7.0	1
57.2	56.3	54.7	54.6	54.0	53.9	53.7	53.9	53.7	54.4	14 36	59.0	7 13	50.6	8.4	2
55.2	55.5	54.9	54.4	54.2	54.2	54.0	54.0	54.1	53.6	17 00	55.5	8 27	49.8	5.7	3
55.1	54.9	54.9	54.3	54.3	54.2	54.2	54.0	54.0	53.5	16 00	55.1	8 00	50.6	4.5	4
55.9	55.8	55.1	54.8	54.3	54.1	53.8	53.3	53.1	53.7	14 00	56.0	7 47	50.1	5.9	5
55.5	55.4	55.3	55.3	55.2	53.9	53.9	53.1	53.5	53.4	15 00	55.6	6 48	48.3	7.3	6
53.9	54.4	54.9	54.6	54.6	53.3	53.8	53.6	54.3	53.2	2 34	55.8	7 11	48.6	7.2	7
55.4	54.9	54.1	53.8	54.7	54.6	54.4	54.2	53.7	53.8	16 00	55.4	7 00	50.4	5.0	8
56.0	55.7	55.1	54.9	54.2	54.5	53.9	54.4	54.2	53.7	15 32	56.1	8 00	50.5	5.6	9
55.9	56.0	53.4	55.1	55.6	54.6	54.0	53.9	51.5	54.2	13 42	57.7	6 43	49.7	8.0	10
56.3	55.6	54.7	54.6	53.9	53.9	53.8	53.4	54.7	53.9	3 17	57.6	8 40	49.4	8.2	11
56.8	56.1	55.0	54.2	53.5	53.7	53.9	54.1	54.5	54.0	15 25	57.3	9 00	50.0	7.3	12
56.1	54.7	53.9	54.5	54.4	54.1	54.4	54.3	54.2	53.7	15 00	57.1	8 38	50.2	6.9	13
56.3	55.6	55.2	55.2	54.8	53.9	54.4	54.4	54.3	54.3	14 00	57.4	7 49	50.3	7.1	14
56.4	55.8	55.4	54.6	54.4	54.4	54.4	54.1	54.2	54.0	14 00	58.3	9 00	49.4	8.9	15
55.1	54.7	54.9	55.3	55.0	54.4	53.9	54.0	54.1	53.9	15 00	55.8	9 00	51.4	4.4	16
54.3	55.4	55.2	55.2	54.9	54.6	54.1	54.0	53.8	54.5	12 51	57.5	7 46	51.4	6.1	17
54.9	54.6	54.5	54.3	54.8	54.5	54.5	54.3	54.2	53.9	13 00	55.9	8 00	50.8	5.1	18
55.7	54.8	54.5	54.5	54.6	54.3	54.3	53.5	53.4	54.1	14 22	57.5	8 27	52.2	5.3	19
55.7	55.1	55.0	55.3	55.3	55.2	54.8	54.5	54.5	54.1	14 17	57.4	8 00	50.6	6.8	20
55.3	54.7	54.8	55.0	55.0	55.0	54.7	54.1	54.0	54.1	12 05	56.0	7 26	50.0	6.0	21
54.8	54.7	54.8	54.9	55.1	54.5	54.6	53.6	54.2	54.0	12 27	56.5	7 45	50.0	6.5	22
56.1	55.1	54.4	54.7	54.8	54.8	54.8	54.7	54.7	54.3	13 38	56.8	7 30	50.2	6.6	23
56.1	55.5	55.0	55.1	55.2	55.3	55.1	54.9	54.7	54.3	16 00	56.1	7 06	50.8	5.3	24
55.8	55.6	54.6	54.2	54.4	54.7	54.6	54.4	53.6	53.6	15 49	55.9	9 21	50.1	5.8	25
55.9	55.2	54.4	54.6	53.7	54.4	54.9	54.9	54.4	54.3	14 00	56.9	7 30	50.7	6.2	26
56.4	56.1	55.6	53.9	54.5	54.7	54.5	52.6	53.1	54.4	14 15	57.1	8 00	52.4	4.7	27
56.4	55.7	56.0	55.3	55.0	54.4	55.6	53.2	54.5	54.3	1 26	58.0	9 06	50.5	7.5	28
57.2	56.3	55.6	55.3	55.2	54.7	54.6	54.5	54.4	54.1	15 44	57.2	7 43	51.4	5.8	29
55.9	56.0	55.6	55.5	55.4	55.2	54.8	54.5	54.4	54.5	13 29	57.0	7 41	51.2	5.8	30
55.4	55.0	54.3	54.2	54.6	54.9	54.8	54.8	54.7	54.2	14 30	55.8	6 40	52.0	3.8	31
55.8	55.4	54.9	54.7	54.8	54.4	54.3	54.0	54.0	54.0					6.3	
55.7	55.1	54.9	54.9	54.8	54.6	54.5	54.2	54.2	54.1					6.1	

AUGUST, 1907.

1° WEST PLUS TABULAR MINUTES.

57.0	57.8	57.3	56.6	56.2	54.2	54.3	54.1	54.1	54.8	17 10	57.9	7 13	50.3	7.6	1
56.4	55.8	55.3	55.2	54.7	55.2	55.1	54.7	54.4	54.2	15 18	57.1	7 38	49.7	7.4	2
56.5	56.3	56.1	54.5	54.4	55.2	55.1	54.7	54.5	54.7	14 51	56.9	7 22	51.5	5.4	3
57.0	56.1	55.2	54.4	54.4	54.8	54.8	54.8	54.6	54.6	15 31	57.5	7 48	52.3	5.2	4
56.2	56.2	55.6	55.2	55.0	55.0	54.6	54.7	54.7	54.6	16 00	56.2	7 12	51.9	4.3	5
56.6	55.5	54.9	54.6	54.7	55.1	54.9	54.6	54.2	54.4	14 30	57.8	7 35	50.5	7.3	6
55.9	55.6	55.1	55.0	55.1	55.1	55.0	54.8	54.4	54.8	12 51	58.2	7 18	52.1	6.1	7
56.6	56.1	55.8	55.4	55.1	55.1	54.8	54.9	54.9	54.1	16 00	56.6	6 54	50.8	5.8	8
56.4	56.1	55.8	55.0	54.2	54.6	54.1	54.4	54.8	54.7	13 39	56.6	7 24	52.0	4.6	9
55.8	55.1	54.6	54.6	54.8	54.4	54.4	54.7	55.1	54.5	13 32	57.1	7 00	50.4	6.7	10
56.1	55.8	55.1	55.1	55.0	55.1	54.9	54.6	54.5	54.8	14 43	56.4	7 00	52.2	4.2	11
55.7	55.2	55.0	55.0	55.0	54.9	54.8	54.8	54.7	54.3	13 39	57.1	7 33	50.6	6.5	12
56.0	55.7	55.0	55.0	55.0	54.8	54.8	54.7	54.7	54.4	14 00	56.2	7 38	50.4	5.8	13
56.8	56.4	55.5	55.1	55.1	55.2	55.0	54.5	54.5	54.8	15 00	58.1	7 08	50.4	7.7	14
57.3	57.0	56.0	55.5	55.2	55.3	55.1	55.0	54.9	54.6	16 00	57.3	7 23	50.7	6.6	15
56.4	56.0	55.7	55.1	54.5	54.8	55.0	54.7	54.8	54.5	14 00	56.7	10 00	51.8	4.9	16
55.7	56.0	55.4	55.0	54.9	54.8	54.9	54.9	54.9	54.2	16 43	56.2	7 24	50.7	5.5	17
55.3	54.9	55.0	55.2	55.2	55.2	54.7	54.8	54.6	54.7	13 24	57.9	7 37	51.5	6.4	18
57.1	56.5	56.0	55.9	55.9	55.7	55.5	55.2	54.9	54.9	15 00	57.3	7 23	51.2	6.1	19
57.6	56.9	55.6	55.7	55.5	54.9	52.8	53.4	53.9	54.6	16 27	57.9	6 43	50.7	7.2	20
56.8	56.4	55.9	55.2	55.3	54.6	55.1	55.2	55.2	54.6	15 00	56.9	7 21	50.7	6.2	21
55.5	55.2	54.5	54.7	54.8	55.2	55.2	55.3	55.2	55.0	12 00	57.3	7 00	51.6	5.7	22
56.1	56.0	55.3	54.5	54.6	54.9	55.1	55.1	55.1	54.4	3 36	56.9	7 30	49.1	7.8	23
57.1	56.3	55.6	55.3	55.1	54.5	54.9	55.3	55.4	54.9	14 16	58.1	7 49	50.8	7.3	24
56.3	55.9	55.6	55.6	55.7	55.5	55.4	55.4	55.4	54.9	14 31	57.7	7 15	50.5	7.2	25
58.3	57.1	56.0	55.2	54.8	55.3	55.1	55.1	55.3	55.2	14 36	59.7	8 31	48.9	10.8	26
(56.9)	56.4	55.6	55.0	55.0	54.8	55.0	55.1	55.2	54.8	14 00	(57.5)	8 00	50.3	7.2	27
56.4	55.9	55.8	55.4	55.4	55.4	55.3	55.1	55.1	55.3	12 57	58.8	7 20	51.5	7.3	28
55.3	55.4	55.5	55.7	55.5	55.5	55.4	55.2	55.1	54.6	12 37	57.0	7 00	50.4	6.6	29
56.4	55.7	55.6	56.0	55.8	55.7	55.6	54.5	54.9	54.4	14 24	57.4	8 22	48.6	8.8	30
58.8	57.1	56.4	56.4	56.2	55.9	55.7	55.5	55.5	55.7	14 50	59.5	8 22	50.5	9.0	31
56.5	56.1	55.5	55.2	55.1	55.1	54.9	54.8	54.8	54.7					6.6	
56.2	55.9	55.4	55.2	55.1	55.0	54.9	54.9	54.9	54.6					6.1	

SEPTEMBER, 1907.

1° WEST PLUS TABULAR MINUTES.

Day	1 ^h	2 ^h	3 ^h	4 ^h	5 ^h	6 ^h	7 ^h	8 ^h	9 ^h	10 ^h	11 ^h	Noon	13 ^h	14 ^h	15 ^h
1*	55.4	55.2	55.1	54.6	54.2	53.2	51.8	52.1	52.8	53.1	54.3	54.9	56.4	57.3	57.3
2	55.2	55.1	54.8	54.7	54.5	53.5	52.8	54.0	55.5	56.5	57.2	58.1	59.1	58.7	58.3
3*	55.2	55.0	54.8	54.8	54.3	53.3	51.8	51.6	52.8	54.2	55.1	55.9	56.5	55.8	56.0
4*	55.2	55.0	54.7	54.6	54.1	53.0	52.1	52.1	53.2	54.4	55.4	56.7	56.4	56.4	56.1
5	55.3	55.1	54.8	54.4	53.8	52.6	52.2	52.9	53.8	54.8	55.4	56.3	56.5	56.5	56.0
6	55.3	55.0	55.4	55.3	53.7	53.6	51.4	51.7	53.2	55.4	57.8	59.0	59.2	58.6	57.9
7*	55.7	55.6	55.5	55.0	54.3	52.7	50.3	49.9	52.0	55.1	57.3	58.8	58.9	58.7	57.9
8*	55.5	55.3	55.0	54.7	54.4	53.0	50.7	50.3	51.1	53.3	55.9	57.3	58.5	58.8	58.3
9	55.7	55.6	55.3	55.0	54.5	52.9	50.0	49.7	50.8	52.2	53.9	56.3	58.3	58.9	58.4
10	55.1	55.0	55.0	54.4	54.1	52.3	50.0	48.7	50.1	52.8	56.5	58.6	60.0	60.0	59.3
11	54.5	54.8	53.7	54.8	53.4	51.4	49.5	50.4	50.9	53.1	55.2	57.1	58.1	57.8	57.7
12	55.6	54.2	53.4	52.9	52.7	52.6	51.9	51.2	51.3	52.2	54.7	56.0	58.1	58.6	58.2
13	55.2	54.3	55.0	54.8	54.9	53.6	52.4	51.6	52.8	54.6	55.8	56.5	56.2	56.1	56.1
14	55.6	55.6	55.7	55.2	54.9	53.7	51.6	51.6	52.6	54.1	55.5	56.8	57.8	58.0	57.3
15	(55.6)	(55.5)	(55.6)	(54.8)	(54.6)	(53.9)	(52.3)	52.2	52.4	53.3	54.2	55.5	56.1	56.4	56.8
16	55.5	55.1	55.1	54.0	53.7	53.4	52.4	52.0	52.8	56.1	56.6	57.0	57.8	57.4	57.3
17	55.3	55.0	55.0	55.0	54.5	54.5	52.5	51.6	52.5	53.9	55.9	59.1	60.6	59.6	59.0
18	(54.8)	(55.1)	(55.2)	(55.5)	(55.2)	(55.0)	(53.2)	(52.8)	(53.2)	(54.6)	(56.2)	58.1	58.6	58.8	58.3
19	55.1	56.0	56.1	56.6	56.5	56.1	54.3	54.4	54.3	55.7	56.8	57.3	57.7	57.4	56.9
20	56.1	55.2	56.0	55.3	55.0	54.4	53.4	54.6	54.4	55.3	56.5	57.8	58.0	58.1	57.2
21*	55.9	56.1	55.6	55.4	55.1	54.7	53.9	53.6	53.6	53.5	55.5	57.0	57.7	57.3	56.0
22*	56.1	55.9	55.8	56.0	55.5	54.9	53.8	53.3	53.5	54.8	56.3	58.0	58.9	58.8	57.8
23*	56.3	56.4	56.0	55.8	55.3	54.5	52.5	51.2	50.7	52.2	55.1	58.0	59.4	59.5	58.9
24*	56.4	56.2	56.0	55.8	55.5	54.1	51.6	50.4	50.5	52.2	55.4	58.1	60.3	60.7	60.0
25	55.8	55.6	55.8	55.5	55.0	54.0	53.0	52.5	52.4	52.8	54.7	56.4	58.3	59.9	60.1
26	55.9	55.8	55.8	55.6	55.0	54.7	54.1	53.4	54.3	54.4	54.3	56.9	59.3	60.6	60.7
27*	56.0	55.8	55.6	55.6	55.1	54.7	53.9	53.3	53.2	53.8	54.5	55.4	56.6	57.8	58.2
28	55.8	55.9	55.8	55.8	55.6	55.0	54.0	52.9	52.1	51.9	52.9	54.3	56.9	58.2	58.6
29	55.3	55.2	55.3	55.0	55.3	54.7	53.5	52.9	52.9	54.3	55.1	55.4	56.4	57.2	57.5
30	55.7	55.4	55.3	55.3	55.2	55.2	54.8	53.9	53.2	55.4	56.1	56.3	57.0	57.9	58.2
Mean.....	55.5	55.4	55.3	55.1	54.7	53.8	52.4	52.1	52.6	54.0	55.5	57.0	58.0	58.2	57.9
Mean*.....	55.8	55.6	55.4	55.2	54.8	53.8	52.2	51.8	52.3	53.7	55.5	57.0	58.0	58.1	57.6

OCTOBER, 1907.

1° WEST PLUS TABULAR MINUTES.

1	55.8	55.8	55.7	55.2	55.2	55.3	53.2	54.7	55.5	56.2	55.8	56.7	58.0	58.2	58.3
2	55.7	55.8	56.3	55.9	55.1	55.0	54.2	53.9	53.6	54.3	55.2	55.9	56.9	57.9	58.1
3	57.2	55.8	55.2	55.8	55.4	54.9	54.3	53.8	54.2	55.3	56.7	57.2	57.8	57.5	57.3
4*	56.3	56.3	56.0	55.8	55.8	55.0	53.8	53.8	54.0	55.5	58.0	59.5	59.6	59.2	58.6
5*	56.5	56.3	55.6	55.5	55.3	54.8	54.1	53.9	54.4	56.2	57.7	58.5	58.3	57.5	56.5
6*	56.3	56.1	55.9	55.6	55.3	54.9	54.1	53.9	55.3	57.3	58.8	59.4	59.1	58.6	57.9
7*	56.4	56.1	56.0	55.8	55.6	54.9	53.7	52.7	53.1	54.5	56.2	58.0	58.4	58.2	57.4
8	56.4	56.4	56.3	56.0	55.7	54.9	52.9	51.7	51.6	53.1	55.4	57.0	58.7	59.5	58.8
9	55.7	55.9	56.6	55.8	55.5	54.5	52.8	51.9	52.4	54.8	57.5	58.5	58.3	57.8	57.5
10	56.7	56.4	56.5	56.1	55.8	55.1	54.4	54.3	54.9	56.9	58.4	58.8	58.4	58.0	58.0
11	56.2	56.1	55.7	55.4	55.7	55.1	53.9	52.7	52.9	54.3	55.8	57.3	58.7	59.7	59.6
12*	56.3	56.3	56.3	56.0	55.9	55.6	54.6	53.9	53.7	54.8	54.9	55.4	55.9	56.6	57.2
13	56.4	56.3	56.2	55.6	55.5	55.4	53.6	54.7	57.4	55.7	55.7	56.4	58.2	58.1	57.2
14	56.6	56.8	57.3	56.2	56.5	56.4	56.6	54.1	54.7	54.9	55.4	55.2	56.6	56.3	59.0
15	54.5	55.5	56.4	56.3	55.5	55.0	53.2	53.7	54.5	56.2	56.8	56.6	56.6	55.8	56.6
16	56.0	56.1	56.6	56.3	56.6	55.8	54.5	53.3	53.6	55.1	57.3	58.5	58.8	58.8	58.5
17*	56.7	56.7	56.7	56.5	56.4	55.7	54.0	53.6	54.3	56.1	57.7	58.2	58.4	58.3	57.8
18*	56.7	56.4	56.4	56.3	56.1	55.6	54.1	53.3	52.7	53.6	55.0	55.3	55.7	56.3	56.7
19*	56.5	56.5	56.4	56.3	56.3	56.1	55.1	53.7	53.5	54.4	55.9	56.8	56.4	55.7	55.7
20*	56.7	56.8	56.8	56.7	56.1	55.8	54.8	53.5	53.7	55.0	56.8	58.2	58.5	59.2	59.7
21	56.5	56.5	56.4	56.4	55.8	55.5	54.7	54.1	54.4	55.0	55.8	56.4	56.5	56.7	57.0
22	56.4	56.5	56.5	56.7	55.7	57.0	56.2	56.9	56.5	56.9	57.2	57.5	58.0	58.2	58.6
23	56.7	57.0	56.5	56.5	56.5	56.2	55.7	54.9	54.6	54.7	55.9	56.6	56.6	57.2	57.6
24	57.1	56.8	56.8	56.7	56.5	56.8	55.8	54.9	55.0	54.7	55.5	56.2	56.0	56.5	57.3
25	56.9	56.9	56.9	56.7	56.4	56.1	54.9	54.2	53.6	54.0	55.4	56.5	57.0	57.6	58.6
26	57.0	57.3	57.0	57.0	56.8	57.3	55.9	55.1	54.9	54.9	55.6	56.6	56.9	57.5	57.6
27	56.6	57.1	57.7	58.8	57.9	59.0	57.0	56.2	55.1	55.3	56.5	57.2	56.2	57.2	58.6
28	56.4	56.5	56.4	56.4	56.4	56.2	55.6	55.0	54.2	54.4	55.2	55.8	55.8	56.5	57.2
29	56.6	56.5	56.7	56.8	56.5	56.8	57.1	56.2	55.4	55.5	56.4	57.1	57.7	58.5	59.5
30	55.9	56.9	56.8	56.6	56.7	56.4	55.9	55.4	54.8	54.4	54.9	55.1	55.4	56.1	57.5
31*	57.0	56.9	57.0	57.0	56.9	56.6	56.1	55.5	55.5	55.6	56.4	56.9	57.0	57.6	58.4
Mean.....	56.4	56.5	56.4	56.3	56.0	55.8	54.7	54.2	54.3	55.1	56.3	57.1	57.4	57.6	57.9
Mean*.....	56.5	56.4	56.3	56.2	56.0	55.5	54.4	53.8	54.0	55.3	56.7	57.6	57.7	57.7	57.6

*The mean hourly values given on the bottom line are derived from the "quiet days" indicated by asterisks.

HOURLY VALUES OF DECLINATION.

33

SEPTEMBER, 1907.

1° WEST PLUS TABULAR MINUTES.

16 ^h	17 ^h	18 ^h	19 ^h	20 ^h	21 ^h	22 ^h	23 ^h	24 ^h	Mean	Maximum		Minimum		Range	Day
/	/	/	/	/	/	/	/	/	/	<i>h</i>	<i>m</i>	/	<i>h</i>	<i>m</i>	/
56.8	56.2	56.1	56.0	56.1	55.7	55.9	55.6	55.3	55.1	14	41	57.4	7	14	51.4
57.1	56.1	56.0	56.1	56.1	56.0	55.8	55.6	55.4	55.9	13	00	59.1	6	40	52.4
55.9	56.2	56.7	56.1	56.1	56.1	55.8	55.4	55.4	55.0	18	00	56.5	7	35	51.4
55.4	55.0	55.2	55.7	55.9	55.1	55.1	55.0	55.0	54.9	12	00	56.7	7	42	51.7
55.7	55.5	55.6	56.0	55.8	55.8	55.1	55.6	55.8	55.1	13	51	56.6	6	36	51.4
56.7	55.5	55.6	55.5	54.9	55.4	55.5	55.5	55.7	55.5	12	36	59.4	7	37	50.7
56.7	55.5	55.3	55.3	55.5	55.4	55.5	55.5	55.5	55.3	13	00	58.9	7	12	49.3
57.5	56.5	55.9	55.9	55.7	55.7	55.7	55.7	55.7	55.3	14	00	58.8	7	37	50.1
57.6	56.7	56.1	56.1	55.9	55.7	55.7	55.3	55.2	55.0	14	00	58.9	7	29	49.6
58.5	57.4	55.1	56.5	55.7	56.0	53.9	55.1	54.9	55.2	13	50	60.6	8	09	47.6
57.1	56.5	55.6	55.2	55.2	54.8	53.9	54.8	54.8	54.6	13	00	58.1	7	24	49.4
56.7	56.0	55.6	55.4	55.1	54.5	55.1	54.9	54.9	54.7	13	47	58.8	7	48	50.8
56.4	56.1	56.1	55.7	55.4	55.6	55.6	55.6	55.6	55.1	12	00	56.5	8	00	51.6
56.6	56.0	56.1	55.8	55.7	55.7	55.6	55.7	55.7	55.4	13	48	59.1	7	04	51.4
56.9	56.5	56.6	56.4	56.4	56.1	55.8	55.8	55.7	55.2	16	00	56.9	8	21	51.8
56.7	56.7	56.9	56.4	56.3	55.9	55.6	55.4	55.4	55.5	13	00	57.8	7	44	51.8
58.0	57.3	56.9	56.6	55.9	54.2	(54.9)	(55.0)	(55.3)	55.8	12	48	61.8	7	55	51.0
57.6	56.8	54.4	55.3	55.1	53.6	55.3	55.6	56.2	55.6	13	40	59.0	20	48	53.0
56.6	56.5	55.0	55.7	55.8	55.7	55.3	56.1	56.7	56.0	13	36	57.7	7	29	53.7
57.0	55.9	55.0	54.6	56.2	55.8	55.1	55.2	55.5	55.7	12	24	58.4	7	18	53.0
55.7	56.0	56.6	56.4	56.4	56.2	56.4	56.4	56.6	55.7	13	00	57.7	8	45	53.2
56.9	56.0	56.2	56.0	56.2	56.0	56.0	56.1	56.4	56.0	13	18	59.2	8	00	53.3
57.7	56.8	56.3	56.2	56.0	56.2	56.2	56.3	56.4	55.8	13	35	59.7	8	36	50.7
58.3	56.6	56.4	56.2	56.1	56.1	56.0	56.0	55.9	55.9	14	00	60.7	8	27	50.1
58.7	57.4	56.8	56.3	56.3	56.3	56.2	56.2	56.0	55.9	14	33	60.3	8	17	52.0
59.8	58.8	56.6	54.6	55.6	55.9	55.0	54.9	55.8	56.2	14	43	60.9	8	00	53.4
57.9	57.3	56.7	56.5	56.3	56.1	56.0	55.9	55.9	55.8	15	00	58.2	8	32	53.0
57.9	57.3	56.7	56.8	56.6	56.3	54.9	54.8	55.3	55.5	15	00	58.6	9	12	51.9
57.6	57.5	57.0	56.7	56.5	56.3	56.1	56.0	55.9	55.6	16	38	57.6	7	42	52.5
57.5	58.7	56.7	56.7	56.5	56.3	56.2	56.1	56.2	56.1	17	04	59.0	7	54	52.8
57.2	56.6	56.1	56.0	55.9	55.7	55.5	55.6	55.7	55.5						7.1
56.9	56.2	56.1	56.0	56.0	55.9	55.9	55.8	55.8	55.5						7.0

OCTOBER, 1907.

1° WEST PLUS TABULAR MINUTES.

58.4	58.4	57.1	56.6	56.7	56.6	54.4	56.4	55.9	56.3	16	54	58.4	7	00	53.2	5.2	1
57.8	57.7	56.3	56.7	56.5	55.8	56.6	56.4	56.0	56.0	14	55	58.3	7	24	53.1	5.2	2
56.3	56.5	56.9	56.8	56.6	56.4	56.2	56.4	56.2	56.1	13	00	57.8	8	48	53.3	4.5	3
57.7	56.8	56.6	56.5	56.5	56.4	56.3	56.5	56.5	56.5	13	00	59.6	7	35	53.3	6.3	4
56.2	56.6	56.8	56.6	56.5	56.2	56.3	56.3	56.3	56.2	12	00	58.5	7	32	53.7	4.8	5
57.2	56.6	56.6	56.5	55.9	56.1	56.2	56.4	56.5	56.5	12	00	59.4	7	42	53.3	6.1	6
56.6	56.5	56.5	56.4	56.3	56.1	56.2	56.2	56.3	56.0	13	20	58.4	8	00	52.7	5.7	7
57.7	57.0	56.9	56.0	55.8	55.2	55.8	56.1	55.5	55.8	14	00	59.5	8	34	51.3	8.2	8
57.0	56.8	56.8	56.4	56.3	56.1	56.1	56.2	56.4	56.0	12	06	58.6	8	35	51.8	6.8	9
57.4	56.6	56.4	56.5	56.1	55.8	56.1	56.1	56.3	56.5	12	00	58.8	8	00	54.3	4.5	10
58.6	57.9	57.1	56.8	56.5	56.4	56.2	56.3	56.3	56.3	14	00	59.7	7	56	52.5	7.2	11
57.1	57.2	57.0	56.8	56.6	56.1	56.4	56.1	56.3	56.0	15	00	57.2	8	14	53.2	4.0	12
56.4	57.3	57.0	55.9	55.8	53.3	55.2	55.5	55.8	56.0	13	48	58.4	7	35	51.6	6.8	13
59.3	57.9	55.8	56.6	56.1	55.6	54.5	55.8	54.7	56.2	15	49	61.0	7	58	54.0	7.0	14
57.3	55.2	56.0	56.2	56.1	55.8	56.3	56.3	56.3	55.8	16	00	57.3	7	31	52.5	4.8	15
57.5	57.8	57.1	56.9	56.4	56.7	56.7	56.6	56.7	56.6	12	42	58.8	8	17	53.1	5.7	16
57.2	57.2	56.9	56.9	56.9	56.5	56.6	56.7	56.8	56.6	13	00	58.4	8	12	53.4	5.0	17
56.9	57.6	57.2	57.1	57.0	56.8	56.8	56.8	56.7	56.0	17	10	57.6	9	20	52.5	5.1	18
55.7	56.6	56.9	56.8	56.6	56.4	56.7	56.9	56.7	56.0	17	39	57.1	8	41	53.4	3.7	19
59.3	58.5	58.1	57.2	56.7	56.3	56.4	56.2	56.5	56.8	15	00	59.7	8	27	53.2	6.5	20
57.0	57.8	57.3	56.9	56.7	56.5	56.4	56.4	56.5	56.2	17	26	58.0	8	00	54.1	3.9	21
58.3	58.0	57.3	56.9	56.9	56.5	56.2	56.5	57.1	57.0	14	42	58.9	9	29	55.2	3.7	22
57.5	57.6	57.1	56.9	56.8	56.8	56.8	57.0	57.2	56.5	15	00	57.6	9	27	54.5	3.1	23
57.5	57.6	57.1	56.9	56.6	56.6	56.6	56.8	56.8	56.5	17	00	57.6	9	30	54.3	3.3	24
58.0	57.4	57.1	56.6	56.2	56.5	56.4	56.6	57.0	56.4	15	00	58.6	9	08	52.8	5.8	25
57.7	57.4	57.0	56.8	56.7	56.7	56.8	56.8	57.0	56.7	16	00	57.7	8	32	54.6	3.1	26
59.1	60.1	59.1	59.0	57.8	57.2	56.4	56.4	56.4	57.4	16	40	60.2	9	15	54.9	5.3	27
58.0	58.2	57.7	57.1	57.0	56.5	56.4	56.2	56.5	56.3	17	00	58.2	9	00	54.2	4.0	28
58.4	58.3	57.4	57.0	56.6	56.4	56.1	56.3	57.0	57.0	15	00	59.5	9	40	55.1	4.4	29
58.2	58.2	57.6	57.4	57.0	57.0	56.5	56.6	56.9	56.4	16	45	58.4	10	06	54.2	4.2	30
58.2	57.6	57.1	56.9	56.6	56.5	56.7	56.7	56.7	56.8	15	00	58.4	9	45	55.4	3.0	31
57.6	57.4	57.0	56.8	56.5	56.3	56.2	56.4	56.4	56.4							5.1	
57.2	57.1	57.0	56.8	56.6	56.3	56.5	56.5	56.5	56.3							5.0	

NOVEMBER, 1907.

1° WEST PLUS TABULAR MINUTES.

Day	1 ^h	2 ^h	3 ^h	4 ^h	5 ^h	6 ^h	7 ^h	8 ^h	9 ^h	10 ^h	11 ^h	Noon	13 ^h	14 ^h	15 ^h
1*	56.8	56.7	56.8	56.8	56.6	56.2	55.6	55.6	56.5	56.8	57.6	58.1	58.2	58.5	58.1
2	57.0	56.8	56.4	56.3	56.5	56.2	55.3	55.0	55.5	56.5	(57.4)	(58.3)	(58.5)	(58.8)	58.3
3	56.6	56.6	57.8	56.6	57.8	56.5	56.7	55.2	54.7	55.3	56.5	58.0	58.4	58.9	58.6
4	55.5	55.8	55.9	56.4	56.7	56.3	55.7	55.6	55.6	56.4	(57.6)	(59.0)	(59.2)	(59.4)	59.2
5*	56.8	57.1	57.1	56.7	56.4	56.2	55.1	54.8	55.4	55.9	57.2	58.8	59.0	59.1	59.1
6	57.0	56.9	57.0	56.8	56.6	56.4	55.7	54.8	54.7	56.0	57.3	58.0	57.6	57.6	57.6
7	57.0	57.1	57.2	57.0	56.7	56.3	56.0	55.0	54.8	54.8	56.7	58.8	59.4	59.5	59.8
8	57.5	56.7	56.7	56.3	56.2	56.1	55.2	54.2	53.4	54.1	55.5	57.1	58.4	59.2	59.4
9	56.7	57.0	56.9	56.8	56.6	56.6	55.5	53.7	52.4	53.4	55.6	58.0	59.0	59.2	59.2
10	56.7	58.3	57.6	58.1	57.8	59.0	57.8	56.5	53.8	53.5	54.2	55.5	57.0	58.2	58.9
11	57.0	57.2	57.3	57.0	57.2	57.4	58.5	56.0	55.1	55.4	56.4	58.3	59.2	60.5	59.5
12	57.2	57.5	57.9	57.7	57.5	58.4	56.9	55.4	53.5	52.9	54.1	56.1	57.4	58.4	58.9
13	57.3	57.3	57.5	57.4	56.8	56.8	56.5	55.0	53.9	53.9	54.9	56.5	57.8	58.5	59.3
14	57.2	57.2	57.1	57.0	56.9	56.8	56.2	54.7	53.2	54.1	55.5	56.8	57.5	57.7	58.2
15*	57.3	57.2	57.3	57.3	57.4	57.0	56.0	54.1	52.3	53.7	54.9	56.3	57.2	57.5	57.9
16	57.3	57.2	57.1	57.3	57.1	57.1	56.6	55.6	55.7	56.6	58.0	58.5	58.6	58.4	58.1
17	56.9	56.9	57.0	56.4	56.9	57.1	57.0	55.5	56.1	56.6	57.2	57.6	57.5	57.5	57.1
18*	57.2	57.2	57.2	57.0	56.9	57.3	57.2	56.5	55.7	55.0	56.2	57.4	57.8	57.7	57.8
19*	57.2	57.2	57.2	57.0	56.8	57.1	57.3	56.0	54.9	54.8	55.8	56.9	57.6	58.2	58.7
20*	57.2	57.2	57.1	56.7	56.6	56.8	56.0	55.2	54.8	55.4	56.7	57.8	58.8	58.8	58.5
21	57.1	57.2	57.2	57.1	56.8	56.7	55.8	53.8	55.5	54.7	57.1	(58.2)	(59.3)	(59.4)	(59.1)
22	57.7	57.8	57.4	57.1	56.8	57.2	58.2	56.1	55.3	54.9	55.3	56.5	58.2	58.4	58.2
23	57.6	57.9	57.9	58.0	57.2	57.5	56.7	55.8	54.6	54.7	56.1	57.5	58.6	58.9	58.8
24*	57.7	57.8	57.8	57.7	58.2	57.2	56.4	55.0	54.5	54.5	55.7	57.0	58.2	58.9	58.7
25*	57.3	58.0	57.8	57.5	57.3	56.8	56.2	54.5	54.1	54.1	55.7	57.5	59.0	59.4	59.5
26	57.7	57.8	58.2	58.2	57.4	56.9	56.2	54.8	53.3	53.1	54.2	55.9	58.3	59.3	59.1
27	57.3	57.8	57.6	57.4	57.3	57.3	56.9	55.5	56.6	54.8	54.5	54.8	55.6	56.8	58.0
28	57.5	57.5	57.7	57.5	57.2	57.2	57.5	56.5	55.1	54.7	55.7	56.5	56.9	57.5	58.2
29*	57.5	57.8	57.6	57.5	57.4	57.4	57.6	56.7	56.0	55.0	55.5	56.7	57.4	58.0	58.5
30*	57.8	57.8	57.8	57.5	57.5	57.2	57.0	55.9	55.2	55.3	56.6	57.9	58.3	58.4	58.7
Mean.....	57.2	57.2	57.3	57.1	57.0	57.0	56.5	55.3	54.7	54.9	56.1	57.3	58.1	58.6	58.6
Mean*....	57.3	57.4	57.4	57.2	57.1	56.9	56.4	55.4	54.9	55.0	56.2	57.4	58.2	58.4	58.6

DECEMBER, 1907.

1° WEST PLUS TABULAR MINUTES.

1*	57.5	57.4	57.3	57.2	57.2	57.0	57.4	56.8	55.8	55.4	55.9	56.4	57.4	58.1	58.5
2*	57.8	57.9	57.8	57.5	57.2	57.0	57.0	56.7	55.9	55.3	56.5	57.7	58.2	58.3	58.3
3*	57.8	57.8	57.9	57.9	57.6	57.5	57.5	56.3	54.2	53.9	54.9	56.3	57.7	58.1	58.3
4	58.1	58.2	58.3	58.2	57.9	58.3	58.5	56.6	54.9	55.1	56.3	57.7	58.8	59.3	59.3
5	57.9	56.9	57.4	57.5	57.1	57.4	58.3	57.3	56.3	56.2	56.6	58.0	59.0	59.5	59.9
6	57.9	57.9	57.7	58.0	57.3	57.1	57.5	56.4	54.8	54.7	54.9	56.3	57.9	59.4	59.5
7	58.1	58.4	58.2	58.5	57.3	57.0	58.0	56.6	54.8	55.6	56.6	58.3	58.6	58.6	58.6
8	57.7	58.2	58.3	58.0	58.3	57.9	58.2	56.9	55.4	55.3	56.5	57.3	59.0	59.7	59.5
9*	58.1	58.3	58.3	58.0	57.8	57.4	57.6	56.2	55.1	54.3	55.0	57.1	58.9	59.8	60.0
10	58.0	58.1	58.3	58.1	57.9	57.6	58.1	56.4	54.7	54.3	55.9	57.3	59.1	60.9	60.6
11	57.5	57.9	57.8	57.8	57.6	57.8	57.8	56.1	54.6	54.2	55.1	55.9	58.2	60.3	60.1
12	58.3	58.0	58.8	58.0	57.6	57.7	57.5	56.7	55.4	56.3	56.8	58.7	59.9	60.2	61.0
13	58.4	58.2	58.0	58.0	58.0	57.9	57.9	56.6	55.6	55.4	56.2	57.3	58.2	59.6	60.0
14*	57.5	57.8	58.7	57.7	57.5	57.5	57.8	56.8	55.3	55.2	55.1	56.8	58.4	59.9	60.4
15*	57.7	57.6	57.5	57.4	57.6	57.6	57.8	56.6	55.4	55.5	56.3	57.3	58.7	59.1	59.1
16	57.3	57.5	57.5	57.4	57.5	57.6	57.3	56.0	54.9	54.8	55.6	56.9	57.8	58.7	59.3
17	57.7	57.9	57.6	57.5	57.6	57.5	57.6	56.9	56.0	56.3	56.5	57.4	58.6	59.6	59.4
18	58.0	57.9	57.8	57.8	57.6	57.6	57.5	56.0	54.5	54.6	56.0	58.3	59.7	60.1	59.7
19	58.0	58.0	58.2	58.1	57.9	57.9	58.3	57.1	55.3	54.9	55.7	58.5	60.3	60.4	60.0
20	58.8	58.8	59.8	59.5	58.5	58.2	59.3	58.6	56.2	57.4	58.6	59.9	60.1	59.6	59.3
21	58.7	58.7	58.1	58.0	58.0	58.1	57.6	56.8	55.7	55.8	56.8	59.2	60.8	60.7	59.9
22*	57.9	58.3	58.6	58.2	58.1	57.9	57.9	57.2	56.9	57.2	58.4	59.8	60.0	59.9	59.8
23*	58.1	58.3	58.4	58.3	58.1	57.9	58.0	57.0	56.0	55.4	56.6	58.0	58.4	58.7	59.5
24*	58.0	58.3	58.6	58.5	58.2	58.0	58.1	57.0	55.6	55.9	57.8	60.9	62.4	62.1	61.1
25*	58.2	58.6	58.6	58.2	58.2	57.7	57.9	56.8	55.5	55.4	56.0	57.9	59.3	60.2	60.3
26	58.0	58.4	58.5	58.5	58.2	57.9	58.0	56.2	54.6	54.6	56.4	58.8	60.9	60.9	60.4
27	58.1	58.6	58.3	60.6	58.3	58.3	58.3	57.3	55.9	55.5	56.9	58.7	59.4	59.9	60.1
28	57.7	57.8	58.2	58.0	57.9	57.8	57.8	56.6	54.9	54.4	55.0	56.6	58.9	60.1	60.8
29	57.7	57.9	58.3	58.0	57.9	57.9	58.4	57.8	56.4	55.6	55.1	56.6	58.4	60.2	60.7
30	57.7	58.0	57.8	58.0	57.4	57.4	57.8	57.1	56.9	56.0	56.6	57.2	58.9	60.2	60.6
31	57.7	58.1	58.2	57.7	57.6	57.6	58.1	57.4	56.1	55.7	55.5	57.4	59.3	60.2	60.5
Mean.....	57.9	58.1	58.2	58.1	57.8	57.7	57.9	56.8	55.5	55.4	56.2	57.8	59.1	59.8	59.8
Mean*....	57.9	58.0	58.2	57.9	57.8	57.6	57.7	56.7	55.6	55.4	56.2	57.8	58.9	59.4	59.5

* The mean hourly values given on the bottom lines are derived from the "quiet days" indicated by asterisks.

NOVEMBER, 1907.

1° WEST PLUS TABULAR MINUTES.

16 ^h	17 ^h	18 ^h	19 ^h	20 ^h	21 ^h	22 ^h	23 ^h	24 ^h	Mean	Maximum			Minimum			Range	Day
										<i>h</i>	<i>m</i>		<i>h</i>	<i>m</i>			
57.7	57.6	57.0	56.8	56.4	56.4	56.5	56.4	56.6	56.9	14	00	58.5	7	29	55.3	3.2	1
(57.7)	57.0	57.3	57.1	56.2	56.3	56.2	56.6	56.7	56.8	14	00	(58.8)	7	47	54.6	4.2	2
57.9	56.8	56.9	55.7	55.9	55.7	55.6	55.2	55.2	56.6	15	22	58.9	8	51	54.2	4.7	3
(58.0)	(57.3)	57.4	56.7	56.8	57.0	56.7	56.8	57.1	57.0	14	00	(59.4)	0	05	55.0	4.4	4
57.7	57.6	57.8	56.9	56.3	56.0	56.2	56.4	56.6	56.9	14	39	59.2	8	48	54.6	4.6	5
57.7	57.9	57.4	56.7	56.6	56.6	56.5	56.7	57.0	56.8	12	00	58.0	8	26	54.5	3.5	6
58:8	58.5	57.5	56.9	56.7	56.6	56.8	56.9	57.0	57.2	15	00	59.8	9	00	54.8	5.0	7
58.7	58.1	57.2	56.7	56.4	56.2	55.6	56.6	56.8	56.6	14	29	59.5	9	00	53.4	6.1	8
58.8	58.4	57.7	56.9	56.5	56.0	56.4	56.0	56.4	56.7	14	50	59.4	9	00	52.4	7.0	9
58.5	57.8	57.6	56.8	56.5	56.5	56.9	56.8	57.0	57.0	6	09	59.2	10	22	52.9	6.3	10
58.5	58.6	57.7	55.6	55.6	55.3	55.1	55.2	56.7	57.1	14	00	60.5	9	00	55.1	5.4	11
59.0	58.7	57.9	57.6	56.9	57.0	57.1	57.0	57.3	57.0	16	12	59.2	9	00	52.9	6.3	12
58.5	58.1	57.5	57.2	57.0	56.1	56.7	56.9	57.0	56.8	15	00	59.3	9	21	53.8	5.5	13
58.2	57.4	56.9	57.1	56.8	56.8	56.8	57.1	57.2	56.7	15	39	58.3	9	00	53.2	5.1	14
58.3	58.2	57.9	57.4	57.0	57.0	56.6	57.1	57.3	56.7	16	00	58.3	8	51	52.2	6.1	15
58.1	58.2	57.7	56.9	57.1	56.9	56.9	56.7	56.8	57.3	13	00	58.6	8	00	55.6	3.0	16
57.4	58.0	57.6	(57.1)	(56.7)	57.1	57.1	57.2	57.2	57.0	17	00	58.0	8	00	55.5	2.5	17
57.9	58.0	57.7	57.6	56.6	56.9	57.0	57.1	57.2	57.1	17	00	58.0	10	06	54.7	3.3	18
58.5	58.1	57.4	57.2	57.1	57.1	57.1	57.2	57.2	57.1	15	00	58.7	9	40	54.4	4.3	19
(58.2)	57.8	57.2	57.1	57.0	56.8	56.8	56.8	57.1	57.0	14	00	58.8	8	50	55.0	3.8	20
(58.8)	58.4	57.7	57.3	57.0	56.9	57.1	57.2	57.5	57.2	14	00	59.4	7	57	53.8	5.6	21
58.3	57.8	56.8	56.8	57.3	57.0	57.0	57.3	57.5	57.1	6	44	58.6	9	39	54.7	3.9	22
58.1	57.9	57.7	57.6	57.2	57.0	57.2	57.4	57.2	57.3	14	18	59.1	9	02	54.0	5.1	23
58.3	57.8	57.4	57.3	57.0	56.8	56.7	56.8	57.2	57.1	14	00	58.9	9	53	54.3	4.6	24
58.0	57.8	57.5	57.3	57.1	57.1	57.2	57.2	57.4	57.1	14	30	59.6	9	35	53.6	6.0	25
58.3	58.1	57.4	57.0	56.6	56.8	57.0	57.1	57.2	56.9	14	21	59.5	9	41	52.9	6.6	26
58.2	57.8	57.7	57.5	57.4	56.6	57.1	57.4	57.2	56.9	16	00	58.2	10	39	54.3	3.9	27
58.6	58.2	57.7	57.3	57.2	57.0	57.0	57.3	57.5	57.1	16	00	58.6	10	07	54.6	4.0	28
58.7	58.2	58.0	57.6	57.5	57.5	57.4	57.6	57.7	57.4	16	00	58.7	10	00	55.0	3.7	29
58.6	58.3	57.6	57.2	57.1	57.1	57.2	57.2	57.2	57.4	15	00	58.7	9	00	55.2	3.5	30
58.3	57.9	57.5	57.0	56.8	56.7	56.7	56.8	57.0	57.0							4.7	
58.2	57.9	57.6	57.2	56.9	56.9	56.9	57.0	57.2	57.1							4.3	

DECEMBER, 1907.

1° WEST PLUS TABULAR MINUTES.

58.4	57.9	57.8	57.6	57.6	57.5	57.3	57.3	57.5	57.3	15	00	58.5	9 27	55.1	3.4	1
58.2	57.6	57.9	57.6	57.6	57.7	57.9	58.2	57.9	57.5	15	00	58.3	9 48	55.0	3.3	2
58.1	(58.0)	(58.0)	57.9	57.9	57.9	57.9	57.9	58.0	57.7	15	00	58.3	9 00	53.9	4.4	3
59.0	58.4	57.7	57.5	57.2	57.2	57.4	57.5	57.7	57.7	15	00	59.3	9 02	54.8	4.5	4
58.7	58.1	57.6	57.6	57.4	57.3	57.3	57.3	57.6	57.7	15	00	60.0	9 46	55.9	4.1	5
59.2	58.1	57.7	57.4	57.0	56.8	56.9	57.3	57.7	57.3	15	00	59.5	9 41	54.0	5.5	6
58.6	57.6	57.3	57.3	56.5	55.6	56.1	56.1	55.8	57.3	3	39	59.1	9 30	54.1	5.0	7
58.8	58.5	57.9	57.4	57.4	57.1	57.2	57.4	57.7	57.7	14	00	59.7	9 33	55.0	4.7	8
59.4	58.8	58.1	57.8	57.4	57.4	57.4	57.6	57.8	57.6	16	00	60.4	10 00	54.3	6.1	9
59.4	59.6	59.1	59.0	57.6	56.9	56.9	57.0	57.2	57.8	14	25	61.1	9 42	53.9	7.2	10
60.1	59.6	58.6	57.8	57.6	57.3	57.3	56.2	57.9	57.5	14	09	60.5	9 36	53.8	6.7	11
60.0	59.1	57.9	57.9	57.0	56.5	56.8	57.3	57.3	57.9	15	09	61.1	9 00	55.4	5.7	12
59.7	58.0	58.0	58.0	56.9	57.0	57.2	57.5	57.6	57.7	15	22	60.2	9 43	55.1	5.1	13
59.2	58.5	58.4	57.8	57.4	57.2	57.4	57.4	57.6	57.6	15	00	60.4	10 45	54.9	5.5	14
59.1	58.4	57.8	57.6	57.2	57.4	57.2	57.4	57.5	57.5	15	00	59.1	9 22	55.1	4.0	15
59.1	58.6	58.1	57.9	57.8	57.8	58.1	57.6	57.7	57.4	15	23	59.3	9 38	54.4	4.9	16
59.0	58.4	58.1	57.9	57.8	57.9	58.1	57.6	58.0	57.8	14	00	59.6	9 21	55.9	3.7	17
58.9	58.3	58.3	57.9	57.6	57.4	57.4	57.8	57.8	57.7	13	35	60.2	9 34	54.2	6.0	18
58.9	57.9	57.8	57.2	57.3	56.6	56.7	57.2	58.1	57.8	14	14	60.6	9 48	54.6	6.0	19
58.3	58.1	57.8	57.7	57.5	57.5	57.8	58.2	58.6	58.5	12	52	60.3	9 00	56.2	4.1	20
58.8	58.0	57.6	57.5	57.0	57.5	57.7	57.8	58.0	58.0	13	39	60.9	9 30	55.4	5.5	21
59.3	58.3	57.8	57.3	57.3	57.2	57.2	57.4	57.8	58.2	12	47	60.2	9 10	56.5	3.7	22
57.9	57.4	57.3	57.2	57.1	56.9	57.0	57.4	57.7	57.6	15	00	59.5	9 49	55.2	4.3	23
59.3	57.9	57.5	57.1	57.2	56.5	57.0	57.1	57.7	58.2	13	23	62.6	9 00	55.6	7.0	24
59.3	58.2	57.6	57.5	57.1	57.1	57.1	57.4	57.8	57.8	14	37	60.4	9 42	55.1	5.3	25
59.6	57.9	57.9	57.4	57.2	57.0	57.1	57.6	58.2	57.9	13	12	61.0	9 25	53.8	7.2	26
59.4	58.1	57.7	57.5	57.4	57.3	57.3	57.4	57.3	58.1	4	07	61.1	9 48	55.3	5.8	27
59.8	58.6	58.5	58.0	57.6	57.5	57.4	57.7	57.7	57.7	15	00	60.8	9 40	54.2	6.6	28
60.0	58.7	58.1	57.9	57.7	57.4	57.5	57.6	57.7	57.9	15	00	60.7	11 00	55.1	5.6	29
60.1	59.0	58.0	57.7	57.5	57.4	57.5	57.9	57.9	57.9	15	00	60.6	10 00	56.0	4.6	30
59.8	59.0	58.4	58.1	57.6	57.6	57.6	57.4	57.6	57.9	14	33	60.6	10 40	55.4	5.2	31
59.1	58.3	57.9	57.7	57.4	57.2	57.3	57.4	57.7	57.7			-			5.2	
58.8	58.1	57.8	57.5	57.4	57.3	57.3	57.5	57.7	57.7						4.7	

JANUARY, 1908.

1° WEST PLUS TABULAR MINUTES.

Day	1 ^h	2 ^h	3 ^h	4 ^h	5 ^h	6 ^h	7 ^h	8 ^h	9 ^h	10 ^h	11 ^h	Noon	13 ^h	14 ^h	15 ^h
1*	57.5	58.0	57.8	57.7	57.7	57.7	58.1	57.5	56.3	55.8	56.7	57.9	58.9	59.5	59.9
2	58.1	58.5	57.8	57.7	57.7	57.7	58.7	57.8	55.8	55.0	55.5	56.6	59.1	59.8	59.6
3	58.5	58.3	58.1	58.4	59.1	58.3	59.4	58.5	55.8	55.3	56.4	57.5	58.0	59.4	60.4
4	58.5	58.5	58.5	58.5	58.2	58.2	58.4	57.2	55.5	55.5	56.6	57.5	58.5	60.2	60.8
5	58.5	58.7	58.8	58.6	58.2	58.1	58.4	57.7	56.4	56.1	56.9	58.6	60.6	61.5	60.4
6	59.1	58.7	59.1	59.1	58.3	58.2	58.1	56.7	54.8	55.0	56.0	56.6	57.1	58.3	59.1
7	58.6	58.8	58.8	58.8	58.2	58.2	58.6	58.3	56.8	56.8	58.0	60.0	61.5	61.6	61.3
8	57.3	57.7	57.8	58.0	57.8	57.8	58.0	56.1	54.8	54.8	56.0	57.6	59.3	60.0	60.3
9	56.9	57.0	57.1	57.7	57.5	58.8	58.1	56.6	55.5	54.7	56.0	57.7	59.1	60.2	60.2
10	57.0	57.7	57.7	58.2	57.7	57.7	58.2	57.0	55.0	54.4	55.2	56.8	59.1	60.2	60.7
11	57.9	58.2	58.3	58.5	58.5	58.0	58.8	57.9	56.8	56.8	57.4	58.6	59.7	60.1	60.2
12	57.8	57.9	58.5	58.5	58.3	58.0	59.5	58.3	57.0	55.7	55.0	56.6	59.3	60.2	60.3
13*	58.1	58.1	58.2	58.2	58.3	58.3	58.3	57.1	55.7	54.6	54.9	55.9	58.2	59.6	60.1
14*	58.2	58.3	58.5	58.2	58.4	58.4	59.0	58.2	56.6	55.4	55.3	56.8	59.3	60.9	60.5
15*	58.8	59.3	58.8	58.9	58.2	58.5	58.9	58.0	56.4	54.6	53.6	54.3	57.3	58.9	59.3
16*	58.5	58.8	58.9	58.7	58.5	58.7	59.3	58.1	55.6	54.3	55.5	57.9	59.5	59.5	59.7
17*	58.6	58.7	58.8	58.9	58.7	58.5	58.3	57.1	55.9	55.2	56.4	58.4	59.2	59.4	59.5
18*	59.0	58.7	59.0	58.7	58.9	58.8	59.1	58.1	56.4	55.7	55.9	57.2	58.6	59.6	59.4
19*	58.8	58.8	59.1	59.1	59.0	58.7	58.8	58.0	56.9	56.1	57.6	59.5	60.6	60.9	59.9
20*	58.8	59.0	59.1	59.0	58.6	58.3	58.6	57.2	55.4	54.4	55.6	58.7	59.8	60.0	59.3
21	58.8	59.1	59.0	59.3	58.9	58.5	58.5	56.9	54.9	54.5	55.5	58.3	61.3	62.6	62.3
22*	58.6	58.8	59.0	59.0	58.9	58.6	58.6	57.2	55.2	54.2	55.5	60.9	63.8	63.1	61.9
23	58.6	58.7	58.8	59.0	58.7	58.5	58.2	56.6	54.8	54.5	55.7	58.6	61.2	62.4	62.2
24	58.9	59.6	59.7	58.8	58.9	59.0	58.5	56.6	54.6	54.9	56.6	59.2	60.7	61.2	60.6
25	58.5	57.9	58.0	58.2	58.1	58.1	57.9	56.1	55.4	56.8	58.0	59.4	60.5	61.0	60.4
26	58.2	58.6	58.6	59.1	58.7	58.5	58.2	56.6	55.8	55.9	56.7	59.4	61.6	62.6	62.3
27	59.1	59.1	59.0	58.9	58.8	58.6	58.7	57.1	55.3	54.3	55.6	57.6	59.0	60.9	61.3
28	58.4	59.0	59.0	59.2	59.0	59.1	59.4	58.2	56.6	55.7	56.3	59.1	61.4	61.6	61.3
29	57.8	58.4	59.0	59.4	58.5	59.0	59.6	58.0	55.6	54.1	54.6	56.1	59.5	61.7	62.1
30	59.4	59.4	59.6	59.3	60.2	59.4	59.3	58.4	57.1	55.5	55.5	57.2	59.7	61.3	61.8
31	59.1	59.3	59.2	59.2	59.2	59.0	58.7	57.1	55.6	55.6	56.1	57.6	60.0	61.2	61.0
Mean.....	58.4	58.6	58.6	58.7	58.5	58.4	58.7	57.4	55.8	55.2	56.0	57.9	59.7	60.6	60.6
Mean*....	58.5	58.6	58.7	58.6	58.5	58.4	58.7	57.6	56.0	55.0	55.7	57.8	59.5	60.1	60.0

FEBRUARY, 1908.

1° WEST PLUS TABULAR MINUTES.

1*	59.1	59.3	59.3	59.3	59.2	59.0	58.9	57.2	54.9	54.8	56.6	59.2	61.5	62.1	61.4
2	59.1	59.2	59.2	59.2	59.1	58.7	58.1	56.4	54.5	54.1	54.6	57.1	59.6	60.3	60.7
3	59.3	59.5	59.3	59.3	59.4	59.1	58.5	57.2	56.6	56.4	57.4	59.9	63.0	63.1	62.1
4	58.5	58.8	58.7	58.6	58.6	58.5	58.5	58.1	56.5	56.0	57.6	60.6	61.3	61.4	61.0
5	58.9	58.9	58.9	59.1	59.8	58.6	58.3	56.4	54.4	55.7	57.0	60.2	63.0	62.1	61.8
6	57.8	58.9	59.1	58.6	59.0	60.2	61.8	58.0	55.8	55.0	57.1	60.2	61.3	62.0	62.6
7	58.8	60.0	58.9	59.4	59.0	59.1	58.6	57.4	55.5	54.5	54.7	56.9	59.4	61.0	62.4
8*	59.2	59.2	59.2	59.3	59.2	59.3	59.3	57.7	55.3	54.2	55.7	58.8	60.7	61.8	61.9
9*	58.9	59.1	59.4	59.4	59.1	59.4	59.4	58.2	56.5	55.0	54.9	57.3	59.5	61.0	61.8
10	58.8	58.9	59.0	59.0	59.1	58.9	59.1	57.8	55.9	53.8	54.2	55.3	56.9	59.1	60.6
11	58.9	59.2	59.5	59.7	60.0	60.7	60.7	59.1	57.2	54.5	54.3	55.0	57.4	61.3	62.0
12	59.0	59.4	59.9	59.3	59.4	60.1	60.8	59.4	58.1	56.6	55.7	56.7	58.7	60.7	60.6
13	59.0	59.4	61.0	59.2	59.3	59.0	59.2	58.3	56.5	55.5	55.4	56.8	59.2	60.8	60.7
14*	59.2	59.4	59.2	59.2	59.2	59.1	59.1	57.8	56.1	55.2	55.1	56.4	58.5	60.4	61.4
15*	59.6	60.0	59.8	60.1	59.5	59.3	59.2	58.0	56.2	55.2	55.7	57.3	58.8	60.4	60.8
16	59.8	59.6	60.0	59.9	59.6	59.5	59.7	58.4	57.2	56.7	57.7	58.9	60.1	60.9	61.3
17*	59.7	59.8	59.7	59.6	59.7	59.5	59.4	58.0	56.6	56.7	57.6	59.0	60.6	61.8	62.0
18	59.5	59.5	59.7	59.5	59.1	59.2	58.8	57.3	56.0	56.2	57.9	60.0	61.5	62.5	62.3
19*	59.1	59.2	59.2	59.1	59.0	58.7	58.5	56.6	55.5	55.1	56.2	58.8	60.6	61.0	61.0
20*	59.5	59.7	59.8	59.7	59.4	59.0	58.7	57.0	55.5	55.5	57.0	59.4	60.7	61.5	61.5
21*	59.4	59.4	59.5	59.3	58.9	58.7	59.0	57.7	55.9	55.5	56.8	58.5	60.1	61.7	61.3
22	59.2	59.2	59.3	59.1	59.0	58.8	58.4	55.9	54.8	54.4	56.4	59.3	61.7	63.2	63.7
23	58.3	57.8	58.6	58.9	58.8	58.2	59.5	59.2	56.6	56.1	57.2	59.2	61.4	62.1	61.2
24	58.4	58.7	58.7	58.7	58.8	58.7	60.0	59.3	58.1	57.4	57.6	56.8	57.5	59.1	60.0
25*	59.2	59.5	59.2	59.2	59.1	59.4	59.9	58.9	56.9	55.4	54.9	56.3	58.2	60.7	61.5
26	58.9	59.2	59.2	59.6	59.0	59.0	59.5	58.9	57.9	57.4	57.2	57.7	58.4	59.2	59.7
27	59.1	59.0	59.3	59.1	58.9	58.9	59.6	58.1	57.0	56.5	57.2	58.1	59.3	60.4	60.8
28	59.4	59.2	59.4	59.2	58.8	58.8	58.8	57.6	56.5	56.9	58.2	59.0	59.0	59.3	59.8
29	59.5	59.4	59.4	59.2	59.7	58.6	59.4	58.6	57.9	58.1	59.7	61.0	61.4	62.4	62.3
Mean.....	59.1	59.3	59.4	59.3	59.2	59.1	59.3	57.9	56.3	55.7	56.5	58.3	60.0	61.1	61.4
Mean*....	59.3	59.5	59.4	59.4	59.2	59.1	59.1	57.7	55.9	55.3	56.0	58.1	59.9	61.2	61.5

* The mean hourly values given on the bottom line are derived from the "quiet days" indicated by asterisks.

HOURLY VALUES OF DECLINATION.

37

JANUARY, 1908.

1° WEST PLUS TABULAR MINUTES.

16 ^h	17 ^h	18 ^h	19 ^h	20 ^h	21 ^h	22 ^h	23 ^h	24 ^h	Mean	Maximum		Minimum		Range	Day		
/	/	/	/	/	/	/	/	/	/	<i>h</i>	<i>m</i>	/	<i>h</i>	<i>m</i>	/		
59.5	58.7	57.9	57.5	57.4	57.4	57.3	57.9	58.1	57.9	15	00	59.9	10	00	55.8	4.1	1
59.1	58.6	57.8	57.6	57.5	57.3	57.4	58.1	58.0	57.8	14	00	59.8	10	00	55.0	4.8	2
60.2	59.4	58.4	58.0	57.8	57.6	57.7	58.1	58.4	58.2	15	00	60.4	10	00	55.3	5.1	3
60.0	58.6	57.9	57.9	57.8	57.6	57.7	57.8	58.2	58.1	15	00	60.8	9	19	55.2	5.6	4
59.6	58.8	57.9	57.8	57.4	57.3	57.6	56.8	57.8	58.3	13	42	61.6	9	37	55.8	5.8	5
59.2	59.0	58.2	57.8	57.7	57.5	57.8	58.2	58.6	57.8	16	00	59.2	9	28	54.7	4.5	6
60.8	60.1	59.0	58.2	57.7	57.5	57.4	57.0	57.2	58.7	13	10	61.8	9	12	56.5	5.3	7
59.6	58.8	58.1	57.5	57.4	57.3	57.1	55.2	56.7	57.5	15	24	60.5	9	47	54.5	6.0	8
59.9	58.9	58.5	58.1	57.8	57.5	57.0	57.2	57.6	57.7	14	11	61.4	9	46	54.4	7.0	9
60.5	59.8	59.4	58.8	58.2	57.8	57.7	57.6	57.8	57.9	15	32	60.8	9	38	54.0	6.8	10
59.9	58.6	58.8	58.3	58.1	57.6	57.7	57.7	57.7	58.3	13	50	60.2	9	24	56.4	3.8	11
59.7	59.0	58.4	58.0	57.3	58.1	58.0	57.8	57.9	58.1	15	00	60.3	11	00	55.0	5.3	12
60.0	59.4	59.0	58.5	58.3	58.3	58.3	58.5	58.4	58.0	15	00	60.1	10	31	54.5	5.6	13
59.9	59.0	58.4	58.3	58.1	58.1	58.0	58.3	58.6	58.3	14	10	61.0	10	33	55.1	5.9	14
58.9	58.5	58.1	58.1	57.9	57.8	57.9	58.1	58.4	57.8	15	00	59.3	10	50	53.4	5.9	15
59.6	59.2	58.7	58.4	58.2	58.1	58.1	58.4	58.4	58.3	13	27	59.8	10	00	54.3	5.5	16
59.3	59.4	58.8	58.3	58.0	58.2	58.2	58.3	58.7	58.3	15	09	59.6	9	47	55.0	4.6	17
58.6	58.4	57.7	58.0	57.8	57.8	58.0	58.4	58.6	58.2	14	24	59.6	10	00	55.7	3.9	18
58.8	58.5	58.5	58.4	58.2	58.1	58.3	58.5	58.5	58.6	13	45	61.1	10	00	56.1	5.0	19
58.5	58.2	58.6	58.3	58.2	58.0	58.1	58.3	58.6	58.2	14	00	60.0	10	00	54.4	5.6	20
60.7	59.4	58.6	58.4	58.0	57.8	57.9	58.2	58.3	58.6	14	00	62.6	9	48	54.2	8.4	21
60.2	58.9	58.7	58.4	58.0	57.9	58.0	58.1	58.5	58.8	12	58	63.9	10	15	54.0	9.9	22
60.9	59.5	58.7	58.4	57.7	57.5	57.6	57.8	58.0	58.4	14	29	62.5	8	33	54.1	8.4	23
59.7	58.8	58.5	58.3	57.6	57.5	56.1	57.4	57.4	58.3	13	41	61.5	9	19	54.4	7.1	24
59.8	59.2	59.1	58.7	58.3	58.0	57.9	57.1	57.8	58.3	14	00	61.0	8	45	55.0	6.0	25
61.0	59.8	58.9	58.9	58.8	58.7	58.7	58.8	59.0	58.9	14	11	62.6	9	28	55.7	6.9	26
60.4	59.3	58.8	59.2	58.2	57.7	57.7	57.8	58.7	58.4	14	28	61.5	9	27	54.0	7.5	27
60.5	59.9	59.0	58.9	58.8	58.4	57.9	58.3	57.7	58.9	13	29	61.6	9	53	55.5	6.1	28
61.5	60.1	59.2	59.2	58.9	58.6	58.5	58.4	59.2	58.6	15	28	62.2	10	00	54.1	8.1	29
61.0	60.2	59.3	59.2	58.9	58.7	58.7	58.8	59.0	59.0	14	35	61.9	10	40	55.1	6.8	30
60.0	59.2	58.9	58.7	58.6	58.5	58.5	58.7	58.9	58.7	14	00	61.2	9	25	55.0	6.2	31
59.9	59.1	58.6	58.3	58.0	57.9	57.8	57.9	58.2	58.3						6.0		
59.3	58.8	58.4	58.2	58.0	58.0	58.0	58.3	58.5	58.2						5.6		

FEBRUARY, 1908.

1° WEST PLUS TABULAR MINUTES.

60.6	59.7	59.1	59.3	58.9	58.8	58.9	59.1	59.1	59.0	13	41	62.3	9	50	54.2	8.1	1
60.7	59.7	59.3	58.9	58.7	58.6	58.7	58.9	59.1	58.4	15	29	60.9	9	42	53.8	7.1	2
61.5	61.5	60.2	59.3	58.6	58.5	58.6	56.7	58.3	59.3	14	29	63.3	9	21	56.1	7.2	3
60.2	60.4	60.3	59.2	58.4	57.7	58.4	58.5	59.4	59.0	13	30	61.6	10	25	55.6	6.0	4
61.9	61.1	60.5	59.9	57.7	58.2	58.2	58.4	59.1	59.1	13	17	63.2	9	00	54.4	8.8	5
60.1	59.9	59.0	59.7	59.0	58.4	58.4	58.4	58.7	59.1	15	00	62.6	10	24	54.9	7.7	6
62.2	61.2	59.9	59.1	59.1	58.2	58.8	58.8	58.9	58.8	15	32	62.9	10	42	54.0	8.9	7
61.5	60.6	59.6	59.4	58.9	58.9	58.8	58.7	58.7	59.0	14	36	62.0	10	00	54.2	7.8	8
62.1	61.4	60.0	59.6	59.4	59.0	58.9	58.8	58.9	59.0	16	00	62.1	10	38	54.4	7.7	9
60.7	60.3	59.6	59.4	59.3	58.7	58.5	58.6	58.8	58.3	15	38	60.8	10	34	53.3	7.5	10
61.3	59.9	59.9	59.5	58.8	58.5	56.0	57.9	58.3	58.7	15	57	62.1	11	14	53.8	8.3	11
60.3	59.9	59.0	58.7	58.3	57.6	58.5	58.3	58.7	58.9	2	36	61.6	11	00	55.7	5.9	12
60.3	59.7	59.6	59.3	58.9	58.8	58.6	58.8	59.2	58.9	2	54	61.2	10	38	55.1	6.1	13
61.5	60.6	59.9	59.4	59.2	59.1	59.1	59.2	59.5	58.9	15	36	61.6	10	21	54.8	6.8	14
60.0	59.3	59.1	59.3	59.3	59.1	59.2	59.4	59.7	58.9	15	00	60.8	10	28	55.1	5.7	15
61.4	60.8	59.8	59.4	59.3	59.0	59.1	59.0	59.6	59.4	16	00	61.4	10	00	56.7	4.7	16
61.4	60.4	59.6	59.5	59.3	58.9	58.9	59.2	59.6	59.4	14	23	62.1	9	35	56.3	5.8	17
61.7	60.7	60.1	59.9	59.5	58.9	58.7	58.9	59.2	59.4	14	00	62.5	9	30	55.8	6.7	18
60.8	60.2	59.9	59.7	58.9	58.6	58.9	59.0	59.4	58.9	15	00	61.0	10	00	55.1	5.9	19
60.7	60.1	59.9	59.7	59.3	59.0	59.0	59.1	59.1	59.2	14	30	61.6	9	36	55.2	6.4	20
60.5	59.8	59.5	59.4	59.0	59.1	59.1	59.1	59.2	59.0	14	24	61.8	10	00	55.5	6.3	21
62.9	61.8	61.0	61.1	60.0	58.8	58.9	59.1	58.7	59.4	15	17	63.9	9	52	53.8	10.1	22
60.1	60.0	60.1	59.7	59.2	58.9	59.1	58.0	58.6	59.0	14	00	62.1	9	30	55.8	6.3	23
60.1	60.1	60.0	59.5	59.4	58.9	59.0	58.6	58.9	58.8	15	48	60.3	9	16	56.4	3.9	24
61.0	59.6	59.4	59.4	59.1	58.9	58.3	57.9	58.7	58.8	15	00	61.5	10	48	54.8	6.7	25
59.5	60.4	59.5	59.3	59.3	59.3	59.2	58.9	58.5	58.9	15	00	59.7	11	26	57.0	2.7	26
60.4	59.9	59.5	59.4	59.2	59.1	59.1	59.1	59.3	59.0	15	00	60.8	10	13	56.3	4.5	27
59.8	60.1	60.0	59.4	59.5	59.3	59.3	59.5	59.6	59.0	17	00	60.1	9	26	56.4	3.7	28
61.0	60.3	60.9	59.7	59.6	59.0	59.3	58.8	58.9	59.8	14	00	62.4	9	17	57.5	4.9	29
60.9	60.3	59.8	59.5	59.1	58.8	58.7	58.7	59.0	59.0							6.5	
61.0	60.2	59.6	59.5	59.1	58.9	58.9	59.0	59.2	59.0							6.7	

MARCH, 1908.

1° WEST PLUS TABULAR MINUTES.

Day	1 ^h	2 ^h	3 ^h	4 ^h	5 ^h	6 ^h	7 ^h	8 ^h	9 ^h	10 ^h	11 ^h	Noon	13 ^h	14 ^h	15 ^h
1	59.0	60.2	58.9	57.6	58.0	58.3	57.1	56.0	56.6	57.5	59.2	60.4	60.6	61.9	61.9
2	59.4	59.0	58.8	59.5	57.8	58.7	60.1	58.7	57.8	57.6	58.6	59.4	59.9	60.4	61.3
3	59.6	59.3	58.7	59.4	59.4	58.8	59.0	57.7	56.9	57.3	58.6	60.3	61.0	61.7	60.3
4	58.7	59.2	60.3	59.4	58.7	58.4	58.5	58.1	57.6	57.9	58.9	60.5	62.6	63.7	62.2
5	59.7	60.2	59.8	59.2	59.1	59.0	59.6	57.8	55.9	55.3	56.0	57.4	59.2	61.0	61.0
6*	59.1	59.5	59.3	59.1	59.1	59.0	58.8	57.3	56.4	56.8	57.0	57.9	59.8	60.9	61.3
7*	59.8	60.2	59.5	59.6	59.3	59.3	59.3	58.2	56.8	56.8	55.4	56.7	57.6	58.9	59.4
8	58.6	59.3	58.8	58.6	58.7	58.2	57.5	59.4	58.7	57.5	59.0	58.3	59.4	60.2	60.6
9	59.3	59.8	60.3	57.6	59.3	60.4	61.1	59.0	58.0	56.9	57.6	58.1	59.4	60.0	60.0
10	60.6	59.5	59.2	59.4	59.9	59.4	59.2	59.0	58.7	58.0	58.1	58.7	59.7	60.5	60.2
11	59.7	59.7	59.6	59.7	60.0	59.3	58.5	58.0	58.6	58.5	58.7	58.7	58.3	58.5	58.9
12*	59.6	59.6	59.5	59.5	59.4	59.3	59.4	58.9	58.8	58.3	58.2	58.8	59.3	59.6	59.6
13*	59.8	59.8	59.8	59.8	59.6	59.4	59.8	59.2	58.4	57.9	58.0	58.7	60.4	60.8	60.3
14*	60.0	59.9	59.7	59.7	59.4	58.9	57.8	58.8	60.1	61.7	62.6	62.9	62.7	62.1	61.3
15	60.1	60.1	59.9	59.8	59.5	59.2	59.2	59.5	59.6	59.7	60.2	60.4	60.7	61.9	62.0
16	59.9	59.6	60.0	59.2	58.7	59.3	58.3	57.6	58.3	59.1	60.5	60.3	61.1	61.4	60.6
17*	60.0	59.8	59.5	59.4	58.5	58.2	57.5	57.1	57.6	59.2	61.1	62.8	63.4	63.0	61.5
18*	60.0	59.9	59.9	59.5	59.3	58.5	57.5	56.6	56.6	57.6	59.1	60.8	62.5	63.1	62.4
19	60.0	60.1	60.0	59.8	59.5	59.1	57.4	55.9	55.7	56.3	57.4	59.3	60.9	61.8	61.9
20	59.4	59.3	59.2	59.2	59.1	58.9	57.7	56.6	57.4	59.1	60.2	61.5	63.2	63.7	62.7
21	60.0	59.9	60.0	59.6	59.7	59.1	57.4	56.0	56.1	56.6	58.1	60.4	62.8	63.3	63.3
22*	59.9	59.6	59.7	59.6	59.3	59.1	58.3	56.7	55.5	56.3	58.5	60.2	61.9	63.0	62.5
23*	60.2	60.2	60.2	60.0	59.9	59.6	58.6	57.5	56.9	58.3	60.5	61.9	62.6	62.6	61.8
24*	60.2	60.3	60.3	59.8	59.8	59.8	59.4	58.5	57.9	57.9	58.8	60.5	61.9	62.8	62.7
25	59.7	60.4	59.6	60.1	60.0	60.1	60.1	59.4	58.9	58.9	59.2	60.3	62.4	63.5	63.4
26	60.1	60.1	60.0	59.9	59.8	59.9	58.5	58.6	56.9	57.6	58.8	59.6	61.5	65.1	68.0
27	58.2	58.1	58.3	62.3	60.2	58.8	57.0	57.6	56.5	57.5	59.2	60.0	62.8	63.9	64.2
28	58.6	61.2	59.6	59.7	59.7	59.1	59.1	58.7	58.6	58.9	59.5	59.9	60.6	60.2	60.3
29	59.6	59.4	59.6	59.7	59.1	59.0	58.7	58.7	59.9	59.7	61.3	62.0	62.1	62.1	62.3
30	61.0	60.3	59.5	59.6	59.4	59.0	58.5	58.0	59.9	59.7	60.1	61.2	62.2	62.5	62.4
31	60.3	60.7	60.5	60.0	59.6	59.0	57.2	56.6	57.2	58.4	60.2	61.7	62.6	62.7	62.5
Mean.....	59.7	59.8	59.6	59.5	59.3	59.1	58.6	57.9	57.6	58.0	59.0	60.0	60.1	61.8	61.7
Mean*....	59.9	59.9	59.7	59.6	59.4	59.1	58.6	57.9	57.5	58.0	58.9	60.1	61.2	61.7	61.3

APRIL, 1908.

1° WEST PLUS TABULAR MINUTES.

1	60.6	60.0	60.4	59.7	60.0	59.8	57.4	56.2	56.2	57.0	58.8	60.6	62.1	62.8	62.4
2	60.1	60.7	60.3	60.2	60.3	59.0	57.3	56.4	56.6	57.4	59.4	61.2	62.7	63.3	63.3
3*	60.3	60.3	60.2	59.7	59.4	58.9	57.5	56.5	56.3	56.1	56.9	59.1	62.4	63.5	63.0
4*	60.6	60.4	60.3	60.0	59.9	59.3	57.7	56.8	56.2	56.4	57.1	59.1	61.3	63.1	63.6
5	60.9	59.5	60.0	59.7	59.7	59.2	57.7	55.1	54.0	54.5	55.5	57.7	61.2	64.6	65.8
6	60.3	60.4	60.7	60.2	60.4	60.2	61.5	60.8	58.5	55.8	57.0	58.7	61.2	62.8	63.0
7	59.5	59.6	60.4	62.0	59.8	60.8	61.0	58.0	57.1	56.8	57.9	59.0	59.5	60.3	61.3
8	59.6	58.9	59.5	60.0	60.0	60.3	60.5	59.9	58.3	57.8	58.6	60.2	62.0	62.6	63.2
9	60.4	60.3	60.3	60.4	60.7	(60.6)	59.8	59.2	58.8	58.2	58.7	59.5	60.9	62.5	62.9
10*	60.6	60.2	60.3	60.3	60.2	60.5	59.6	59.0	58.2	57.7	58.1	60.0	62.6	63.9	64.1
11*	60.5	60.4	60.3	60.3	60.3	59.8	58.9	58.5	58.1	58.4	59.1	61.0	62.7	63.3	63.1
12*	60.4	60.4	60.3	60.3	60.4	60.2	59.2	58.3	58.6	58.3	58.2	59.6	61.4	62.5	62.5
13*	60.8	60.2	59.9	59.9	59.8	59.5	58.5	59.0	59.0	59.0	59.7	60.6	61.6	62.2	61.9
14*	60.8	59.2	60.0	59.9	59.6	59.1	58.1	58.3	58.4	59.1	60.6	62.4	63.4	63.4	62.8
15	60.2	59.8	59.2	58.4	58.5	58.3	58.8	58.9	58.3	58.3	60.5	62.7	64.9	65.2	65.1
16	60.5	60.5	60.6	60.3	59.9	58.8	57.5	56.6	55.9	56.8	58.8	61.1	63.2	65.0	64.7
17	60.7	60.9	61.7	60.5	61.0	60.1	58.7	57.0	56.1	56.0	57.9	60.8	63.2	64.7	64.1
18	60.5	60.5	60.5	60.1	60.1	59.7	58.1	56.8	57.2	58.2	60.2	62.5	64.8	65.4	64.9
19*	60.5	60.4	60.4	60.0	59.6	59.0	56.9	55.3	55.0	55.8	56.8	59.0	61.5	62.7	63.0
20*	60.7	60.6	60.6	60.6	60.5	59.9	58.5	58.1	58.5	58.7	59.5	61.1	62.3	63.0	63.5
21*	60.8	60.7	60.7	60.6	60.4	60.1	58.6	58.4	58.6	58.0	58.3	60.0	61.6	62.3	62.5
22	60.6	60.5	60.3	59.7	59.5	59.3	58.5	58.0	58.3	59.4	59.3	61.0	62.5	62.7	63.2
23	60.3	60.4	60.4	60.4	58.9	58.6	59.3	58.9	58.3	57.1	58.0	59.7	62.4	63.8	63.1
24	60.8	60.3	60.2	60.2	60.1	60.1	59.4	58.4	57.5	57.1	58.1	60.6	62.7	63.4	63.1
25	60.3	60.3	60.3	60.3	60.3	60.3	59.5	58.3	57.8	58.1	58.7	60.8	62.4	63.2	63.3
26	61.0	60.2	59.7	60.8	59.9	59.5	60.2	60.5	60.7	61.6	62.2	62.9	64.0	64.5	63.5
27	60.4	60.1	60.5	60.8	59.6	58.9	58.5	59.1	59.5	60.7	61.3	61.2	62.0	63.0	62.8
28	60.6	60.6	60.5	60.6	59.8	58.8	57.9	57.8	59.4	60.3	62.3	63.0	63.9	64.1	63.8
29	60.5	60.7	60.2	59.9	59.5	59.8	57.8	57.1	57.7	59.2	61.4	63.1	64.3	65.4	65.2
30	60.6	60.6	60.6	60.5	60.2	60.0	58.9	57.9	57.1	57.4	59.2	62.0	64.2	64.8	64.8
Mean.....	60.5	60.3	60.3	60.2	59.9	59.6	58.7	58.0	57.7	57.8	58.9	60.7	62.5	63.5	63.4
Mean*....	60.6	60.3	60.3	60.2	60.0	59.6	58.4	57.8	57.7	57.8	58.4	60.2	62.1	63.0	63.0

* The mean hourly values given on the bottom line are derived from the "quiet days" indicated by asterisks.

HOURLY VALUES OF DECLINATION.

39

MARCH, 1908.

1° WEST PLUS TABULAR MINUTES.

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean	Maximum			Minimum			Range	Day
										h	m		h	m			
60.6	60.4	59.9	55.9	57.9	57.5	56.8	58.3	59.1	58.7	14	15	62.0	8	00	56.0	6.0	1
60.7	60.9	60.3	58.1	59.0	57.8	58.3	58.2	58.4	59.1	15	00	61.3	8	46	57.4	3.9	2
60.3	59.5	59.4	59.4	59.3	59.0	58.3	58.0	58.5	59.2	14	00	61.7	9	21	56.5	5.2	3
61.9	60.9	60.3	59.3	59.3	57.1	58.0	58.8	59.3	59.6	13	57	63.9	9	00	57.6	6.3	4
60.2	59.2	59.5	59.6	59.1	59.0	58.8	59.1	59.2	58.9	14	29	61.1	9	56	55.1	6.0	5
60.8	60.7	60.5	60.4	59.7	59.5	59.3	59.5	59.7	59.2	15	00	61.3	9	31	56.1	5.2	6
59.7	60.1	60.4	60.1	60.1	59.9	59.7	59.5	59.3	58.9	17	48	60.7	10	36	55.3	5.4	7
61.0	60.9	60.1	59.3	59.1	58.5	59.1	59.0	59.2	59.1	17	07	61.1	9	22	56.6	4.5	8
60.0	60.1	59.6	59.8	59.8	58.7	59.4	59.1	59.7	59.3	6	36	61.8	10	00	56.9	4.9	9
60.3	60.8	60.5	59.9	59.8	59.1	59.4	59.5	59.5	59.5	13	57	60.6	10	00	58.0	2.6	10
59.6	60.0	60.2	60.0	59.1	59.1	59.7	59.7	59.7	59.2	1	07	60.4	8	37	57.7	2.7	11
59.4	59.3	60.1	60.4	60.2	60.0	59.9	59.9	59.9	59.5	18	29	60.4	10	24	58.2	2.2	12
59.5	59.3	60.1	60.5	60.3	60.3	60.3	60.2	60.2	59.7	13	44	60.9	10	20	57.9	3.0	13
60.1	60.1	60.3	60.3	60.3	60.2	60.1	60.1	60.1	60.4	12	00	62.9	7	18	57.6	5.3	14
61.6	60.6	60.4	60.5	60.2	60.2	60.0	59.9	60.0	60.2	15	00	62.0	7	11	59.1	2.9	15
59.6	59.7	60.3	60.1	60.0	59.8	59.3	59.9	60.0	59.7	14	00	61.4	8	10	56.7	4.7	16
60.3	59.9	60.2	60.1	59.8	59.9	60.0	60.0	60.1	60.0	13	00	63.4	8	00	57.1	6.3	17
61.7	60.9	60.2	59.8	59.9	58.9	59.1	59.3	59.6	59.7	14	22	63.2	8	03	56.3	6.9	18
61.3	61.3	61.0	61.3	61.4	61.0	58.9	59.1	59.0	59.6	14	31	62.1	9	00	55.7	6.4	19
61.7	61.2	61.0	60.9	59.8	59.9	59.2	59.0	59.8	60.0	14	00	63.7	8	09	56.3	7.4	20
62.5	61.3	60.9	60.7	59.6	59.2	59.4	59.9	59.9	59.8	13	50	63.4	8	17	55.5	7.9	21
61.2	60.5	60.5	60.5	59.8	59.9	59.7	59.9	59.9	59.7	14	00	63.0	9	17	55.3	7.7	22
61.3	60.8	60.7	60.7	60.5	60.2	60.0	60.1	60.1	60.2	13	00	62.6	8	52	56.7	5.9	23
62.1	61.3	60.9	60.6	60.4	60.4	60.3	60.3	60.2	60.3	14	00	62.8	8	35	57.6	5.2	24
62.6	61.6	60.9	60.7	60.9	60.3	60.3	60.2	60.2	60.6	14	20	63.6	10	00	58.9	4.7	25
66.3	63.8	64.4	59.3	60.1	57.3	58.9	59.0	61.0	60.6	14	57	68.3	21	17	55.3	13.0	26
64.8	62.4	61.8	62.3	62.2	61.2	58.9	56.6	58.6	60.1	15	45	65.4	7	42	56.1	9.3	27
60.4	58.7	58.3	60.5	60.4	60.3	59.4	60.9	59.0	59.6	2	00	61.2	8	25	57.9	3.3	28
62.6	60.8	60.0	60.0	59.5	59.8	60.1	60.1	60.5	60.3	15	51	62.7	7	14	58.0	4.7	29
61.7	60.1	60.1	59.9	60.0	60.1	60.1	60.2	61.1	60.2	14	00	62.5	8	48	57.5	5.0	30
61.9	61.0	60.5	60.1	60.2	60.3	60.3	60.3	60.8	60.2	14	08	62.8	8	10	56.5	6.3	31
61.2	60.6	60.4	60.0	59.9	59.5	59.4	59.5	59.7	59.7							5.5	
60.6	60.3	60.4	60.3	60.1	59.9	59.8	59.9	59.9	59.8							5.3	

APRIL, 1908.

1° WEST PLUS TABULAR MINUTES.

										<i>h</i>	<i>m</i>		<i>h</i>	<i>m</i>			
61.5	60.8	60.2	60.2	60.3	60.0	60.1	59.7	60.4	59.9	14	11	62.9	8	30	56.0	6.9	1
61.9	60.3	60.1	60.2	60.4	60.4	60.0	59.9	60.6	60.1	14	24	63.4	8	21	56.3	7.1	2
62.0	60.9	60.8	60.9	60.6	59.9	60.0	60.1	60.3	59.8	14	00	63.5	9	35	55.8	7.7	3
62.9	61.7	60.8	60.7	60.8	60.6	60.3	60.2	60.2	60.0	15	00	63.6	8	54	56.2	7.4	4
64.8	63.2	61.4	61.1	60.8	60.4	60.1	60.1	60.4	59.9	14	52	66.1	9	25	53.4	12.7	5
62.7	61.6	60.9	60.7	60.7	60.1	60.1	59.6	60.4	60.3	15	00	63.0	10	00	55.8	7.2	6
62.4	62.9	61.6	58.6	60.5	59.5	59.1	59.0	58.7	59.8	17	00	62.9	10	00	56.8	6.1	7
63.4	62.7	61.9	61.5	61.1	60.7	60.6	60.5	60.5	60.6	16	00	63.4	10	00	57.8	5.6	8
62.6	61.7	61.0	60.9	60.8	60.8	60.6	60.5	60.4	60.5	15	23	63.0	10	00	58.2	4.8	9
63.3	62.1	61.3	60.8	61.0	61.0	60.8	60.7	60.7	60.7	15	00	64.1	10	00	57.7	6.4	10
61.7	60.4	60.5	60.8	61.0	61.0	60.5	60.3	60.5	60.5	14	00	63.3	9	00	58.1	5.2	11
61.8	60.8	61.0	61.3	61.3	61.2	61.0	61.0	60.7	60.5	14	39	62.7	10	30	58.1	4.6	12
61.2	60.3	60.5	60.9	61.1	61.0	61.0	60.9	60.9	60.4	14	00	62.2	7	15	58.2	4.0	13
61.5	60.9	61.2	61.1	60.9	60.7	60.9	60.9	60.8	60.6	13	39	63.5	7	20	57.9	5.6	14
63.7	61.8	60.2	61.3	61.5	60.2	60.1	59.8	60.3	60.7	13	23	65.4	6	37	57.6	7.8	15
63.7	62.3	61.2	61.1	61.3	60.0	60.8	60.5	60.9	60.5	14	00	65.0	8	52	55.7	9.3	16
63.0	61.6	60.9	61.0	61.0	59.9	60.1	60.6	60.9	60.5	14	18	64.9	9	21	55.5	9.4	17
63.5	62.1	61.3	61.0	61.0	60.8	60.7	60.7	60.7	60.9	13	51	65.5	8	00	56.8	8.7	18
62.7	61.7	61.0	60.9	60.9	60.8	60.8	60.8	60.7	59.8	15	00	63.0	9	00	55.0	8.0	19
62.7	61.7	61.0	60.9	60.9	60.8	60.8	60.7	60.9	60.7	14	33	63.7	8	00	58.1	5.6	20
62.0	61.3	61.2	61.3	61.4	61.1	60.9	60.8	60.8	60.5	15	00	62.5	9	56	57.8	4.7	21
62.7	61.5	61.3	61.2	61.1	61.2	60.8	60.8	60.7	60.6	15	11	63.4	7	30	57.9	5.5	22
62.7	60.7	61.1	61.4	60.6	60.4	60.4	60.2	61.8	60.4	14	06	64.1	10	20	56.7	7.4	23
62.2	61.3	61.2	61.4	60.7	59.9	59.9	59.7	60.2	60.4	14	09	63.5	10	00	57.1	6.4	24
62.7	62.3	62.0	61.8	61.3	60.3	61.1	61.0	61.1	60.7	15	00	63.3	8	42	57.3	6.0	25
62.9	62.2	62.1	61.7	61.0	61.2	60.7	61.6	60.9	61.5	14	00	64.5	5	53	59.2	5.3	26
62.1	61.5	61.2	60.8	61.5	61.5	61.2	61.0	61.0	60.8	14	00	63.0	6	24	58.1	4.9	27
62.4	60.9	60.6	61.1	61.3	61.3	60.4	60.1	60.3	60.9	14	00	64.1	6	30	57.1	7.0	28
63.7	61.7	60.9	60.7	61.1	61.1	61.0	60.7	61.1	61.0	14	15	65.6	8	00	57.1	8.5	29
63.8	62.1	61.6	61.3	61.3	61.2	61.0	60.4	60.6	60.9	14	18	64.9	9	27	56.7	8.2	30
62.7	61.6	61.1	61.0	61.0	60.6	60.5	60.4	60.6	60.5							6.8	
62.2	61.2	60.9	61.0	61.0	60.8	60.7	60.6	60.6	60.3							5.9	

MAY, 1908.

1° WEST PLUS TABULAR MINUTES.

Day	1 ^h	2 ^h	3 ^h	4 ^h	5 ^h	6 ^h	7 ^h	8 ^h	9 ^h	10 ^h	11 ^h	Noon	13 ^h	14 ^h	15 ^h
1	60.5	60.4	60.8	60.7	60.0	59.1	57.8	56.8	56.2	56.8	58.8	61.3	63.6	64.9	64.5
2	60.8	60.0	60.2	61.9	60.4	59.3	57.5	59.7	59.8	61.9	62.5	63.5	63.8	64.9	64.4
3	60.5	60.6	60.4	60.3	59.9	58.9	57.6	57.6	56.7	57.5	59.0	60.4	62.0	63.5	63.7
4	60.9	60.7	61.3	60.7	59.9	59.7	57.8	57.0	56.2	57.2	59.0	60.8	63.0	64.3	63.9
5	60.9	61.2	60.7	60.6	60.7	59.7	58.4	58.5	59.9	61.0	61.3	62.2	63.3	63.8	63.7
6*	60.2	60.5	60.8	60.9	60.6	59.9	58.5	58.4	58.8	60.1	61.2	62.3	63.2	63.8	63.6
7*	60.3	60.1	60.0	59.9	60.0	59.4	58.3	58.4	58.6	59.7	61.4	62.0	62.6	62.4	61.9
8	60.5	61.0	60.6	60.0	60.1	59.4	58.5	58.0	59.5	59.8	60.6	61.6	61.3	61.8	61.7
9*	60.6	60.6	60.7	60.8	60.8	59.9	58.3	57.9	58.6	59.6	59.9	60.5	61.0	62.0	62.5
10	60.9	60.6	60.4	60.4	60.2	58.7	57.1	57.1	57.4	58.7	59.2	59.8	61.9	64.1	65.1
11	60.5	60.8	60.4	60.2	59.8	57.9	57.0	58.1	59.9	60.9	61.9	62.1	62.8	63.1	62.7
12	61.8	60.7	60.4	60.3	60.0	59.0	58.3	58.3	60.0	61.8	62.8	62.5	62.0	61.7	61.2
13	60.6	63.8	59.7	59.7	59.6	58.1	57.2	57.4	59.8	61.9	63.0	63.9	64.9	64.9	63.9
14*	61.0	60.8	61.4	60.5	60.1	58.5	57.3	57.5	58.8	60.9	62.5	64.1	65.4	65.0	64.1
15*	61.2	61.0	60.9	60.4	59.7	58.8	56.6	55.8	57.2	59.6	62.0	64.0	64.7	65.0	64.7
16*	61.3	61.3	61.2	60.7	60.3	58.9	56.6	55.4	57.2	59.3	61.3	63.1	63.8	64.8	64.8
17	61.1	60.9	60.6	60.2	59.6	59.2	58.3	58.8	59.2	61.1	62.4	63.1	63.8	64.2	63.8
18*	61.2	61.2	61.2	60.7	60.4	59.1	57.5	56.9	58.0	60.0	62.0	63.1	63.3	63.2	62.4
19*	61.1	61.2	60.3	60.1	59.7	58.6	57.0	57.1	57.6	58.9	60.2	61.2	61.5	62.5	62.5
20*	61.1	61.0	60.9	60.6	60.3	60.0	59.1	58.7	58.5	59.3	60.1	60.7	61.6	62.2	62.2
21*	61.0	61.0	60.9	60.7	60.7	59.8	58.5	57.0	57.4	58.8	60.0	60.7	62.4	63.6	64.2
22	60.7	60.8	60.7	60.6	60.2	59.7	58.6	58.6	59.4	60.7	61.2	61.9	62.3	62.7	62.8
23	60.5	60.5	62.5	61.3	61.1	60.3	60.3	59.0	59.8	61.1	62.2	63.1	63.7	64.2	63.7
24	61.8	61.4	62.0	63.4	61.8	60.4	59.4	59.3	60.4	62.4	64.2	65.6	65.3	65.0	64.8
25	62.7	62.0	62.3	61.9	62.0	62.1	59.2	59.2	59.9	61.5	62.8	64.2	65.3	65.6	64.8
26	60.7	59.5	59.3	59.3	62.4	60.4	58.5	58.5	58.8	60.6	61.8	63.2	64.5	65.4	65.1
27	61.6	61.1	62.0	60.7	60.5	58.8	57.6	57.8	59.7	61.8	63.9	65.6	66.5	66.3	65.3
28	61.9	61.5	63.7	62.6	60.9	59.5	57.6	56.9	59.4	62.0	63.4	63.9	65.5	65.9	65.7
29	62.3	62.2	62.2	62.0	61.6	59.2	57.2	57.8	57.8	59.1	60.6	63.0	63.8	64.3	64.4
30	63.1	63.0	61.7	62.0	62.0	60.2	58.3	56.3	58.3	60.2	62.3	63.5	64.7	65.2	65.5
31	(62.7)	62.2	62.2	63.9	61.6	59.7	57.6	57.0	57.6	59.6	60.9	62.2	63.6	63.9	63.8
Mean.....	61.2	61.1	61.0	60.9	60.5	59.4	58.0	57.8	58.6	60.1	61.4	62.6	63.5	64.0	63.8
Mean*....	60.9	60.9	60.8	60.5	60.3	59.3	57.8	57.3	58.1	59.6	61.1	62.2	63.0	63.4	63.3

JUNE, 1908.

1° WEST PLUS TABULAR MINUTES.

1	62.4	61.9	61.7	61.9	61.7	60.5	58.0	56.4	57.4	58.7	61.0	62.7	64.0	64.3	63.4
2*	62.3	62.2	62.1	61.9	62.0	60.3	58.8	58.6	59.6	61.6	62.9	64.3	64.9	64.7	64.1
3	62.0	61.7	61.7	61.5	61.3	60.8	59.8	58.5	58.0	60.7	61.2	61.5	62.5	62.8	63.5
4	61.5	60.2	60.4	60.7	60.7	59.6	59.1	59.4	60.1	60.4	60.7	61.1	61.7	62.4	62.7
5	61.7	61.8	61.8	61.8	61.9	61.7	61.2	60.7	60.9	61.2	61.2	61.3	61.7	62.0	62.6
6	62.0	62.1	61.9	62.0	62.2	60.7	60.2	59.2	59.9	60.8	61.6	62.4	62.8	62.5	62.4
7	62.1	62.1	62.2	62.3	62.3	61.8	60.8	60.3	59.6	59.7	60.3	60.9	62.0	62.6	62.8
8*	61.5	61.3	61.6	61.6	61.7	61.2	60.6	60.7	61.9	62.3	62.9	63.4	63.8	63.8	63.9
9*	61.7	61.9	61.6	61.2	61.0	60.5	59.5	59.3	59.9	59.5	59.3	59.5	61.1	62.2	62.6
10*	62.0	62.0	61.9	61.7	61.5	61.0	59.5	58.7	59.4	59.5	61.1	61.7	64.2	65.4	65.4
11*	62.0	62.0	61.7	61.6	61.3	60.3	59.2	58.4	58.9	59.6	60.6	61.6	62.1	62.5	63.2
12	61.6	61.6	61.5	61.3	61.2	60.1	58.5	57.8	59.1	61.1	62.1	63.4	64.2	64.5	64.4
13	62.0	62.0	62.0	61.0	60.9	60.1	59.5	58.7	59.8	61.4	63.2	64.0	64.3	64.3	64.3
14	61.9	62.1	62.2	62.2	62.3	60.3	58.5	58.0	59.2	61.4	62.8	63.9	64.2	64.5	64.1
15	62.4	62.4	62.2	62.1	61.5	60.7	58.7	57.6	57.8	58.6	61.0	62.8	64.6	65.9	65.5
16	62.7	62.4	62.7	62.2	61.6	60.6	60.3	59.2	60.4	61.0	61.9	63.2	63.9	63.8	63.9
17	62.1	62.0	62.0	61.8	61.1	60.0	59.1	58.9	59.5	60.5	61.2	61.2	62.1	63.5	64.6
18	61.5	61.4	61.5	61.2	61.0	59.5	58.5	58.5	60.2	61.7	62.6	64.4	63.9	64.8	65.3
19	61.9	62.9	62.4	61.7	61.2	59.6	58.1	58.3	60.2	61.3	63.0	63.5	64.1	65.0	64.6
20	62.6	61.7	62.0	62.1	62.3	60.6	59.1	58.6	59.0	59.6	61.3	62.7	63.1	64.3	64.6
21	62.0	62.2	62.3	62.1	62.9	61.9	59.9	59.6	60.0	60.2	60.5	61.8	62.2	63.1	63.3
22*	62.7	62.4	62.1	62.1	61.9	61.4	60.3	60.0	60.5	61.5	62.0	62.7	64.1	64.1	64.2
23*	62.3	62.2	62.3	62.2	62.0	61.1	59.6	59.2	58.7	59.7	61.0	61.9	62.9	64.2	64.6
24	62.2	62.2	61.9	61.9	61.5	59.9	58.4	58.0	58.2	58.3	59.6	61.2	62.9	65.1	64.9
25	62.1	61.8	61.8	61.8	61.1	60.1	58.8	58.2	59.1	60.2	61.1	61.8	63.1	63.2	63.8
26	62.3	62.4	62.0	63.0	62.0	60.3	57.2	58.7	60.4	61.7	63.0	64.4	65.7	66.0	65.3
27*	62.2	63.9	62.3	61.6	60.9	59.6	59.3	60.3	60.4	60.6	60.7	60.9	62.2	62.9	63.0
28*	62.1	62.5	61.9	62.1	61.7	62.1	60.5	60.2	61.2	61.5	61.8	62.1	62.2	63.8	63.8
29*	62.1	62.1	62.3	62.5	62.5	62.4	61.2	60.1	59.9	61.0	62.0	63.4	64.4	65.2	64.7
30	62.4	62.7	62.4	62.0	61.7	60.9	60.6	60.8	61.1	61.6	61.9	63.3	64.8	65.5	64.6
Mean.....	62.1	62.1	61.9	61.8	61.6	60.7	59.4	59.0	59.7	60.6	61.5	62.4	63.3	63.9	64.0
Mean*....	62.1	62.2	62.0	61.8	61.6	61.0	59.8	59.6	60.0	60.7	61.4	62.2	63.2	63.9	64.0

*The mean hourly values given on the bottom line are derived from the "quiet days" indicated by asterisks.

HOURLY VALUES OF DECLINATION.

41

MAY, 1908.

1° WEST PLUS TABULAR MINUTES.

16 ^h	17 ^h	18 ^h	19 ^h	20 ^h	21 ^h	22 ^h	23 ^h	24 ^h	Mean	Maximum			Minimum			Range	Day
										<i>h</i>	<i>m</i>	'	<i>h</i>	<i>m</i>	'		
63.1	61.8	61.1	60.9	59.6	59.9	60.5	60.8	59.8	60.4	14	17	65.0	9	00	56.2	8.8	1
63.4	61.4	61.3	60.8	60.5	60.7	60.1	60.5	60.7	61.2	14	00	64.9	6	42	56.5	8.4	2
63.0	62.2	61.2	60.8	60.0	60.4	60.6	60.4	61.0	60.3	15	00	63.7	9	00	56.7	7.0	3
63.3	62.3	61.4	60.8	60.6	60.3	60.6	59.4	60.3	60.5	14	00	64.3	8	52	56.0	8.3	4
63.2	62.0	61.5	61.0	60.5	60.5	60.3	60.1	60.4	61.1	14	00	63.8	7	18	58.2	5.6	5
63.4	62.8	61.9	61.2	60.9	60.8	60.7	60.6	60.5	61.1	14	00	63.8	7	23	58.3	5.5	6
61.1	61.1	60.9	60.9	61.1	60.7	60.7	60.8	60.8	60.5	13	00	62.6	7	18	58.1	4.5	7
61.3	61.3	61.4	61.6	61.4	61.4	61.3	61.2	61.0	60.7	14	00	61.8	7	20	58.3	3.5	8
61.9	61.5	61.3	61.6	61.7	61.7	61.5	61.2	61.0	60.7	14	44	62.6	7	42	57.6	5.0	9
64.5	63.2	62.1	60.4	60.9	59.6	58.1	60.2	60.0	60.4	15	33	65.2	7	29	56.9	8.3	10
62.4	62.2	62.1	61.8	59.1	61.1	61.1	61.4	60.1	60.8	14	00	63.1	7	00	57.0	6.1	11
60.8	61.0	61.6	61.9	61.0	60.9	60.8	60.9	60.8	60.8	11	00	62.8	7	00	57.8	5.0	12
62.4	61.6	61.7	61.4	60.3	60.4	60.9	61.4	61.4	61.2	13	42	65.2	8	24	56.9	8.3	13
63.0	61.7	61.6	61.3	61.4	61.3	61.4	61.5	61.4	61.4	13	21	65.6	7	19	57.0	8.6	14
62.9	62.0	61.3	61.0	61.2	61.3	61.3	61.3	61.3	61.0	14	18	65.1	8	00	55.8	9.3	15
64.6	62.6	61.8	61.4	61.4	61.5	61.5	61.5	61.3	61.2	14	51	64.9	7	46	55.1	9.8	16
63.5	62.4	61.7	61.4	61.3	61.5	61.4	61.4	61.4	61.3	13	42	64.3	6	43	57.3	7.0	17
61.3	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.4	60.9	13	26	63.4	7	48	56.7	6.7	18
62.2	61.9	61.3	61.4	61.6	61.4	60.9	60.8	60.9	60.5	14	42	62.7	7	08	56.7	6.0	19
61.6	61.3	61.1	61.2	61.7	61.6	61.3	61.2	61.1	60.8	14	18	62.3	8	35	58.3	4.0	20
63.6	62.2	61.4	61.2	61.2	61.2	60.9	60.8	60.7	60.8	15	00	64.2	8	00	57.0	7.2	21
62.5	(62.2)	(61.5)	(61.7)	(62.1)	(61.9)	61.8	60.2	60.3	61.0	14	30	62.9	7	35	58.2	4.7	22
63.8	64.2	63.4	63.4	64.0	63.2	63.0	62.7	62.6	62.2	13	54	64.3	6	25	58.8	5.5	23
63.9	62.7	62.8	62.9	63.1	62.6	62.7	62.7	62.8	62.6	12	00	65.6	6	41	58.4	7.2	24
63.4	62.7	61.5	59.9	60.5	60.1	58.8	60.1	60.2	61.8	14	00	65.6	7	07	58.1	7.5	25
63.7	62.6	62.5	62.7	63.1	62.8	62.3	62.4	62.1	61.8	14	00	65.4	6	57	58.3	7.1	26
64.6	63.4	62.5	62.4	62.8	62.3	62.1	61.7	62.1	62.2	13	14	66.6	7	20	57.0	9.6	27
64.2	62.9	62.2	61.8	60.1	61.4	61.4	61.8	61.8	62.0	14	24	66.0	8	00	56.9	9.1	28
63.4	62.7	62.3	61.7	61.4	61.7	61.9	61.7	63.5	61.6	13	47	64.7	7	18	56.7	8.0	29
64.9	(64.4)	(63.5)	(63.0)	(62.9)	(62.9)	(62.6)	(62.5)	(63.1)	62.3	14	45	65.7	8	00	56.3	9.4	30
63.0	63.1	62.1	62.1	62.6	62.6	62.2	62.6	62.4	61.7	14	26	64.2	8	00	57.0	7.2	31
63.0	62.3	61.8	61.5	61.3	61.3	61.2	61.2	61.2	61.2							7.0	
62.6	61.8	61.4	61.2	61.4	61.3	61.2	61.1	61.0	60.9							6.7	

JUNE, 1908.

1° WEST PLUS TABULAR MINUTES.

16 ^h	17 ^h	18 ^h	19 ^h	20 ^h	21 ^h	22 ^h	23 ^h	24 ^h	Mean	Maximum			Minimum			Range	Day
										<i>h</i>	<i>m</i>	'	<i>h</i>	<i>m</i>	'		
62.7	62.3	62.5	62.6	62.6	62.5	62.4	62.5	62.4	61.6	13	23	64.4	8	21	56.2	8.2	1
63.6	63.0	63.0	63.0	62.8	62.6	62.5	62.4	62.3	62.3	13	12	65.1	8	07	58.6	6.5	2
63.0	63.0	62.7	63.2	63.5	62.8	62.4	62.2	61.9	61.8	15	00	63.5	8	46	57.3	6.2	3
63.2	63.0	62.8	62.4	62.1	61.8	61.7	61.6	61.7	61.3	16	00	63.2	7	32	58.7	4.5	4
62.5	62.2	62.2	62.2	62.2	62.1	62.0	62.0	62.0	61.8	15	00	62.6	8	00	60.7	1.9	5
62.3	62.2	62.2	62.2	62.4	62.0	61.8	61.8	62.2	61.7	12	48	62.8	6	45	58.5	4.3	6
62.5	62.2	62.3	62.9	62.9	62.3	62.0	61.4	61.2	61.7	15	00	62.8	9	36	59.2	3.6	7
63.2	62.7	62.4	62.9	62.7	62.6	62.2	62.0	61.9	62.3	14	35	64.0	7	36	60.4	3.6	8
61.9	61.2	61.5	61.8	61.8	61.9	62.0	62.0	62.1	61.1	15	00	62.6	7	46	59.0	3.6	9
65.1	63.7	62.7	62.1	62.1	62.2	62.3	62.1	62.0	62.1	15	01	65.5	7	42	58.7	6.8	10
63.1	62.6	62.4	62.2	62.1	62.2	62.1	61.9	61.8	61.5	15	00	63.2	7	55	58.3	4.9	11
63.4	62.7	62.7	63.0	62.7	62.2	61.9	61.6	62.0	61.9	14	00	64.5	7	50	57.6	6.9	12
63.0	62.3	62.3	62.3	62.2	62.3	62.3	62.2	61.5	62.0	13	00	64.3	8	04	58.5	5.8	13
63.2	62.2	62.1	62.1	61.9	61.9	62.1	62.2	62.3	62.0	14	10	64.6	8	07	57.9	6.7	14
64.6	63.0	62.7	61.0	61.5	62.0	61.7	61.1	62.0	61.8	14	00	65.9	8	13	57.3	8.6	15
63.4	62.4	62.0	62.0	62.1	62.1	62.0	61.0	61.9	62.0	13	00	63.9	7	40	58.9	5.0	16
64.6	64.0	63.6	63.5	64.2	61.8	63.1	61.9	61.4	62.0	15	13	64.8	8	00	58.9	5.9	17
64.9	(64.2)	63.8	63.1	62.8	62.6	62.2	61.7	61.9	62.2	15	00	65.3	6	34	57.8	7.5	18
64.3	63.4	62.8	63.0	62.7	61.7	61.4	61.2	62.1	62.1	14	05	65.0	7	36	57.5	7.5	19
64.5	64.0	63.6	63.0	62.5	62.8	62.6	62.4	62.1	62.1	15	33	65.0	8	08	58.4	6.6	20
63.5	63.6	63.5	62.9	62.8	62.8	62.7	62.5	62.4	62.1	16	45	63.8	8	27	59.4	4.4	21
63.7	63.1	62.6	62.7	62.4	62.4	62.4	62.3	62.4	62.3	13	17	64.4	8	00	60.0	4.4	22
64.1	62.6	62.5	63.0	62.8	63.0	62.7	62.7	62.5	62.1	15	00	64.6	9	00	58.7	5.9	23
64.2	63.7	63.4	63.0	63.0	62.9	62.9	62.6	62.6	61.9	14	05	65.3	7	45	57.8	7.5	24
63.3	62.6	62.8	62.8	62.8	62.0	61.1	62.4	62.1	61.7	15	00	63.8	7	18	58.1	5.7	25
63.4	62.5	62.3	62.0	62.5	62.3	61.0	62.0	62.0	62.3	14	00	66.0	7	04	57.2	8.8	26
62.0	61.7	61.8	62.1	62.2	62.2	61.9	61.7	61.9	61.6	15	00	63.0	7	37	58.9	4.1	27
62.6	62.0	62.4	62.5	62.6	62.5	62.4	62.5	62.5	62.1	14	13	64.0	7	48	60.0	4.0	28
63.7	62.8	62.5	62.7	62.8	62.2	62.2	62.2	62.1	62.5	14	00	65.2	9	00	59.9	5.3	29
64.2	63.6	62.6	62.6	63.0	62.9	62.3	62.3	62.4	62.6	13	39	65.6	6	48	60.3	5.3	30
63.5	62.8	62.6	62.6	62.6	62.3	62.1	62.0	62.0	61.9							5.7	
63.3	62.5	62.4	62.5	62.4	62.4	62.3	62.2	62.2	62.0							4.9	

JULY, 1908.

1° WEST PLUS TABULAR MINUTES.

Day	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	Noon	13h	14h	15h
1	62.5	62.3	62.3	62.1	61.9	61.4	59.9	58.5	58.5	60.4	61.5	63.0	64.5	65.4	65.5
2	63.2	63.7	63.8	63.6	62.8	61.6	60.2	58.7	58.3	58.7	59.8	62.2	64.9	65.9	65.3
3*	63.5	63.5	63.6	63.4	62.8	61.4	59.8	59.0	59.5	60.3	60.9	63.2	64.1	65.1	65.8
4*	63.2	63.1	63.0	62.7	62.4	61.4	59.1	57.7	58.6	60.5	62.7	64.7	65.7	65.6	65.2
5	63.0	63.2	62.7	62.5	62.0	62.7	60.0	59.0	60.7	62.7	63.0	64.5	65.2	64.8	64.8
6	62.5	62.5	62.3	62.1	61.7	61.0	60.5	61.3	61.7	61.7	62.6	64.0	63.6	64.0	63.4
7	62.5	62.2	61.8	61.6	61.7	60.8	59.7	59.0	59.4	60.5	61.5	62.2	62.7	64.2	64.7
8	62.5	62.7	62.2	62.2	62.2	61.2	59.4	59.4	60.6	62.0	62.9	64.5	65.2	65.4	65.2
9*	63.1	62.8	62.8	62.8	62.4	61.6	60.1	59.2	60.1	61.8	62.7	62.9	63.4	64.1	64.5
10*	63.0	62.8	62.6	62.4	62.2	61.0	59.1	58.4	59.3	60.7	62.7	63.9	65.3	66.2	65.1
11*	63.2	63.1	62.7	62.6	62.3	61.0	59.5	59.7	61.1	62.5	63.3	64.4	65.0	65.3	65.3
12	62.6	62.4	62.2	63.2	62.3	61.0	58.7	57.8	58.4	59.2	61.2	63.2	65.4	65.9	65.3
13	62.2	62.1	62.4	61.7	61.4	60.4	58.7	58.0	60.1	61.7	63.1	64.4	64.3	65.1	65.3
14	63.1	62.8	62.6	62.5	62.3	61.2	59.9	59.4	59.9	60.9	62.2	64.1	64.2	65.1	64.9
15	62.4	62.4	62.1	62.1	62.0	61.1	59.3	58.6	59.6	61.0	62.1	63.1	65.0	67.0	67.7
16	62.6	62.8	62.1	62.6	62.7	60.2	59.2	59.6	60.1	60.6	61.6	63.3	64.6	65.3	65.7
17	63.5	62.4	63.1	63.4	64.4	64.1	62.0	60.9	60.5	60.9	62.0	62.5	63.5	63.8	64.5
18	62.5	62.5	62.4	62.2	62.0	61.0	59.7	59.0	60.3	61.0	61.9	61.9	63.1	64.4	64.7
19	62.4	62.3	62.3	62.2	61.9	61.0	59.4	59.0	59.7	60.2	61.1	62.0	62.4	63.3	63.8
20*	62.5	62.4	62.4	62.2	62.0	61.4	60.0	58.4	58.6	59.5	61.1	62.9	64.4	65.5	65.4
21	63.0	62.9	62.8	62.6	62.4	61.2	59.7	58.9	60.4	61.7	63.1	64.2	64.7	64.9	65.1
22*	63.0	63.1	63.1	63.0	62.7	61.0	59.0	58.7	59.7	60.7	62.9	64.6	65.4	65.4	64.4
23	63.5	63.3	63.0	62.9	62.7	61.4	59.4	58.2	58.7	60.7	63.1	64.7	65.7	65.9	65.4
24	63.6	63.0	63.1	63.0	63.0	61.8	60.7	61.4	62.9	63.8	65.1	66.4	67.0	66.4	65.7
25	62.5	62.7	63.5	62.7	61.7	61.8	60.1	60.6	61.2	62.1	63.5	63.8	64.2	64.0	64.3
26	63.7	63.6	63.3	63.1	62.7	61.1	59.8	59.0	60.8	62.3	63.7	65.0	65.6	65.7	64.7
27*	63.7	63.5	63.1	62.9	62.4	60.9	59.9	59.6	60.7	61.6	62.9	64.7	66.5	67.5	67.0
28	63.6	63.6	63.4	62.9	62.5	61.3	59.4	59.6	61.5	63.5	64.6	64.8	64.9	65.4	66.0
29*	63.7	63.7	63.5	63.1	63.1	61.4	59.5	59.2	61.1	62.9	64.3	64.9	65.7	65.1	64.3
30*	63.7	63.6	63.5	63.3	63.5	61.6	59.6	59.3	61.1	63.4	65.1	66.7	67.4	66.8	66.7
31	64.3	64.1	64.0	63.6	63.1	61.8	59.8	59.9	60.9	62.6	64.1	65.3	65.5	65.4	65.3
Mean.....	63.0	62.9	63.5	62.7	62.4	61.3	59.7	59.2	60.1	61.4	62.7	63.9	64.8	65.3	65.2
Mean*.....	63.3	63.2	63.0	62.8	62.6	61.3	59.6	58.9	60.0	61.4	62.9	64.3	65.3	65.7	65.4

AUGUST, 1908.

1° WEST PLUS TABULAR MINUTES.

Day	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	Noon	13h	14h	15h
1	63.8	63.8	63.6	63.4	62.9	62.0	60.4	59.6	60.7	62.0	64.1	65.4	66.7	(66.7)	(65.8)
2	62.8	62.4	62.1	61.7	61.3	60.6	58.9	58.6	59.0	60.1	60.9	62.4	64.3	65.4	65.3
3	62.8	62.5	62.4	62.2	61.9	61.3	59.3	58.6	59.4	61.0	62.5	63.8	64.6	65.3	66.2
4*	63.1	63.1	62.9	62.4	62.1	61.1	59.2	59.2	59.9	61.6	62.5	63.0	63.8	64.5	64.7
5*	63.4	63.3	63.3	63.0	62.6	61.4	60.0	59.2	60.3	61.6	62.8	63.2	63.7	64.4	65.2
6	63.2	63.6	63.1	63.1	62.5	61.1	59.1	58.8	59.9	61.0	62.6	63.6	64.8	65.2	65.5
7	63.1	62.6	63.1	62.6	63.0	62.9	60.7	59.9	60.1	61.4	62.2	63.6	64.6	65.2	65.0
8	63.1	63.8	64.0	63.5	63.2	61.8	60.5	59.6	59.9	62.5	64.2	66.2	66.6	66.0	65.9
9	62.6	61.8	63.8	63.7	63.4	60.9	58.8	59.4	60.5	63.4	65.6	66.8	67.1	66.7	65.7
10*	64.5	64.2	64.1	63.3	62.7	61.6	59.9	60.1	61.4	62.7	64.1	65.4	66.7	66.8	66.7
11	64.1	63.6	63.3	63.4	62.6	61.4	58.5	57.6	60.2	62.7	64.7	65.4	67.0	66.4	66.4
12	63.4	63.5	62.9	63.9	64.0	60.6	58.4	58.1	60.2	62.3	63.9	65.5	67.2	68.9	66.6
13	64.4	64.2	64.0	63.3	63.5	62.1	59.0	59.5	60.7	63.3	64.6	65.7	66.1	66.6	66.4
14	64.2	65.5	64.3	64.2	63.6	62.3	59.4	58.1	58.9	59.8	61.4	63.3	65.2	66.4	67.3
15*	64.4	64.2	64.2	63.5	63.1	62.1	59.3	59.0	60.1	62.5	64.4	65.6	66.9	67.3	67.2
16*	63.9	64.0	64.1	63.6	63.1	62.4	60.0	58.4	59.0	60.0	61.3	63.7	65.4	66.9	67.0
17*	63.8	63.9	63.9	63.8	63.4	63.0	61.1	60.8	61.0	62.3	63.7	65.1	66.5	66.4	66.1
18	63.8	63.9	63.9	63.9	63.9	63.4	61.7	60.9	61.4	61.7	62.5	63.6	64.1	64.4	64.9
19	63.7	64.5	68.5	62.8	64.9	65.2	63.7	63.8	64.1	66.7	65.8	65.8	65.8	65.5	64.8
20	63.7	63.4	63.5	63.6	63.5	61.9	59.6	59.7	60.7	61.5	62.7	63.5	64.5	65.2	65.7
21	63.6	64.4	63.6	63.6	63.5	62.4	62.5	62.6	61.8	62.1	64.7	67.0	66.6	66.6	66.6
22	64.4	64.5	64.5	64.0	62.9	61.5	59.9	61.1	63.1	63.8	64.8	66.3	66.5	66.6	66.4
23*	64.1	64.1	63.9	63.6	63.4	62.4	60.5	60.4	61.5	63.0	64.8	66.6	67.5	67.4	66.3
24*	64.2	64.1	64.1	63.7	63.6	62.1	59.1	59.7	61.6	63.9	66.3	67.5	(68.1)	68.0	67.1
25	64.0	64.1	64.2	64.8	64.2	62.3	59.6	59.6	60.8	63.2	65.4	67.2	67.0	67.0	66.8
26	64.3	65.0	65.1	64.0	62.9	60.5	57.9	58.0	60.0	63.1	64.6	66.0	66.5	66.6	67.1
27*	64.0	64.0	63.8	63.5	63.0	61.7	58.9	59.5	62.0	64.0	65.0	66.0	67.1	66.7	66.1
28*	64.1	63.9	63.7	63.3	62.7	61.5	58.9	58.7	60.5	62.1	63.9	65.6	67.0	67.6	67.0
29	64.1	65.0	63.9	63.2	62.8	61.2	57.8	56.8	59.8	62.0	63.9	65.9	67.9	68.6	68.4
30	64.4	64.9	64.1	63.8	63.6	62.7	61.8	61.9	62.6	63.3	64.3	65.2	65.9	66.3	65.8
31	64.2	64.6	63.7	63.2	62.8	61.6	59.0	59.5	62.0	64.7	66.6	67.6	67.2	66.0	64.7
Mean.....	63.8	63.9	63.9	63.4	63.1	61.9	59.8	59.6	60.7	62.4	63.9	65.2	66.1	66.4	66.2
Mean*.....	64.0	63.9	63.8	63.4	63.0	61.9	59.7	59.5	60.7	62.4	63.9	65.2	66.3	66.6	66.3

* The mean hourly values given on the bottom line are derived from the "quiet days" indicated by asterisks.

HOURLY VALUES OF DECLINATION.

43

JULY, 1908.

1° WEST PLUS TABULAR MINUTES.

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean-	Maximum			Minimum			Range	Day
										h	m		h	m			
65.4	64.2	63.6	63.1	62.9	62.8	62.4	62.7	62.8	62.5	15	00	65.5	9	00	58.5	7.0	1
64.2	63.2	63.0	63.4	63.4	63.5	63.2	63.2	63.2	62.6	14	00	65.9	8	33	58.4	7.5	2
65.2	64.5	64.5	63.1	63.4	63.4	63.1	63.2	63.3	62.9	15	00	65.8	8	00	59.0	6.8	3
64.7	63.8	64.0	64.0	64.0	63.7	63.6	63.0	63.0	62.9	13	31	65.8	8	00	57.7	8.1	4
64.7	64.4	63.9	63.4	63.4	62.9	62.4	62.6	62.4	63.0	13	24	65.3	8	00	59.0	6.3	5
63.4	62.9	63.3	63.5	63.5	62.9	63.3	63.0	62.8	62.6	12	00	64.0	7	12	60.5	3.5	6
64.9	64.4	64.2	63.7	63.3	62.8	62.8	62.6	62.6	62.3	15	29	65.1	8	36	58.8	6.3	7
65.2	64.5	64.3	63.7	63.5	63.3	63.1	62.9	63.3	62.6	14	00	65.4	7	08	59.2	6.2	8
64.8	64.5	64.2	63.6	63.6	63.4	63.4	63.2	63.2	62.8	16	00	64.8	8	00	59.2	5.6	9
64.3	63.5	63.6	63.6	63.5	63.6	63.6	63.5	63.2	62.8	13	49	66.3	8	00	58.4	7.9	10
64.8	64.1	63.6	63.7	63.6	63.4	63.5	63.1	62.6	63.1	14	00	65.3	7	00	59.5	5.8	11
64.1	63.4	63.2	62.6	63.0	62.9	62.9	62.9	62.8	62.4	14	00	65.9	8	00	57.8	8.1	12
64.6	63.9	63.7	63.5	63.5	63.1	62.9	62.9	62.8	62.6	14	30	65.5	8	00	58.0	7.5	13
63.9	62.9	62.7	62.9	62.9	63.0	63.1	63.0	62.8	62.6	14	00	65.1	7	53	59.3	5.8	14
66.0	65.0	65.0	64.8	63.0	62.8	62.1	61.4	61.8	62.8	15	00	67.7	7	33	58.5	9.2	15
65.6	64.7	63.4	63.7	63.6	62.7	62.9	62.8	62.9	62.7	14	27	65.9	7	16	58.6	7.3	16
64.1	63.5	63.1	62.2	63.0	62.1	62.8	62.6	62.6	62.8	15	15	64.7	9	05	60.3	4.4	17
64.4	63.6	62.9	62.7	62.7	62.6	62.6	62.5	62.4	62.3	15	23	64.8	7	46	58.6	6.2	18
63.8	63.3	63.2	62.7	62.4	62.7	62.6	62.5	62.5	62.0	15	48	63.9	8	47	58.6	5.3	19
64.4	63.9	62.7	63.3	63.2	63.0	62.6	62.8	62.9	62.4	14	14	65.6	8	12	58.2	7.4	20
64.4	63.5	63.9	64.0	63.9	63.7	63.5	63.2	63.1	63.0	14	32	65.4	7	50	58.7	6.7	21
63.4	62.4	62.7	63.1	63.3	63.6	63.6	63.6	63.5	62.7	13	17	65.7	7	46	58.6	7.1	22
64.5	63.5	64.0	64.0	64.0	63.9	63.7	63.6	63.6	63.1	14	00	65.9	7	54	58.0	7.9	23
65.7	65.0	64.4	64.0	63.6	63.2	62.4	62.4	61.6	63.7	13	00	67.0	23	48	61.0	6.0	24
64.0	63.7	64.0	64.2	64.1	63.7	63.7	63.7	63.7	63.1	14	42	64.4	7	25	59.7	4.7	25
64.1	63.4	63.1	64.1	64.1	63.9	63.8	63.7	63.8	63.3	13	31	65.8	8	00	59.0	6.8	26
65.1	63.4	62.8	63.6	63.3	63.3	63.3	63.4	63.4	63.3	14	00	67.5	7	34	58.7	8.8	27
65.9	(64.8)	(64.3)	(64.4)	(64.1)	(63.8)	63.6	63.5	63.7	63.5	15	22	66.2	7	31	58.9	7.3	28
63.9	63.8	63.9	63.9	63.9	63.8	63.9	63.8	63.8	63.3	13	00	65.7	7	35	58.9	6.8	29
65.7	64.2	63.8	64.3	64.3	63.9	64.2	64.0	64.1	63.9	13	00	67.4	7	36	58.9	8.5	30
64.6	64.1	64.0	64.0	63.7	63.8	63.7	63.7	63.7	63.5	13	00	65.5	7	48	59.6	5.9	31
64.6	63.8	63.6	63.6	63.5	63.3	63.2	63.1	63.0	62.9							6.7	
64.6	63.7	63.6	63.6	63.6	63.5	63.5	63.4	63.3	63.0							7.3	

AUGUST, 1908.

1° WEST PLUS TABULAR MINUTES.

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean-	Maximum			Minimum			Range	Day
										h	m		h	m			
64.6	64.2	63.6	64.0	64.0	63.9	63.8	63.6	63.2	63.6	13	32	67.4	7	51	59.1	8.3	1
65.3	65.0	64.5	64.3	63.9	63.7	63.5	63.2	63.0	62.6	14	21	65.5	7	17	58.4	7.1	2
66.4	66.4	66.3	65.4	65.4	64.8	63.6	63.6	63.6	63.3	17	27	66.5	8	00	58.6	7.9	3
65.2	65.0	65.1	65.0	64.8	64.3	64.0	63.7	63.5	63.1	16	00	65.2	7	09	59.0	6.2	4
65.5	65.2	65.1	64.5	64.2	64.0	63.8	63.9	63.5	63.2	16	00	65.5	7	54	59.1	6.4	5
65.7	65.7	65.2	64.6	64.7	64.5	63.7	63.3	63.1	63.2	14	30	65.8	8	00	58.8	7.0	6
65.2	65.2	65.2	65.1	64.8	64.4	64.0	62.8	63.1	63.3	14	27	65.1	8	00	59.9	5.2	7
65.9	64.9	65.1	65.3	64.7	64.7	64.1	61.1	61.2	63.2	13	00	66.6	21	00	58.1	8.5	8
64.7	64.8	65.2	64.7	63.9	64.3	64.0	64.6	64.7	63.8	13	00	67.1	7	18	58.6	8.5	9
66.1	64.7	64.5	64.7	64.7	64.4	64.3	64.2	63.8	64.0	14	28	67.2	7	26	59.6	7.6	10
65.6	64.9	64.6	64.6	64.6	64.0	62.5	63.4	63.5	63.5	13	00	67.0	7	30	56.4	10.6	11
65.5	64.6	63.5	64.3	64.4	63.3	63.3	63.7	63.5	63.6	14	32	69.6	7	18	57.7	11.9	12
66.2	64.5	64.2	63.4	64.2	64.4	64.0	63.7	63.4	63.8	14	00	66.6	7	24	57.5	9.1	13
66.6	65.5	64.8	64.5	64.2	63.9	63.5	64.2	64.3	63.6	15	00	67.3	7	46	57.5	9.8	14
66.4	65.5	65.0	64.5	64.2	64.1	64.1	63.9	64.1	64.0	14	00	67.3	7	30	58.2	9.1	15
66.1	65.0	64.2	64.2	64.1	64.0	63.6	63.6	63.7	63.4	14	36	67.2	7	54	58.3	8.9	16
65.9	65.4	64.6	64.1	63.9	63.8	63.3	63.3	63.6	63.9	13	00	66.5	7	54	60.7	5.8	17
65.1	65.0	64.1	64.0	63.7	62.3	62.7	60.8	61.9	63.2	16	00	65.1	22	48	58.9	6.2	18
64.6	63.8	63.7	64.0	63.8	63.7	63.4	63.0	63.2	64.5	3	01	68.6	0	00	61.9	6.7	19
65.6	64.7	63.9	64.5	64.2	63.9	63.2	63.7	63.9	63.3	15	00	65.7	7	28	59.4	6.3	20
65.6	64.6	64.5	63.9	64.5	63.7	63.5	63.7	64.7	64.2	14	27	67.4	8	36	60.8	6.6	21
65.7	65.3	64.7	64.5	64.4	64.3	64.4	64.3	64.3	64.3	2	30	67.1	7	00	59.9	7.2	22
64.7	63.7	63.4	64.2	64.2	64.3	63.7	64.2	64.1	64.0	13	08	67.8	7	58	60.2	7.6	23
66.3	65.2	65.1	64.7	64.4	64.3	64.1	63.4	65.2	64.4	14	02	68.2	7	27	58.7	9.5	24
66.1	64.5	64.2	64.1	63.6	64.2	64.3	64.3	64.4	64.2	12	00	67.2	7	30	59.0	8.2	25
66.1	65.1	64.9	64.4	64.1	64.1	64.0	64.1	64.1	63.9	15	00	67.1	7	17	57.1	10.0	26
65.2	64.5	64.4	64.8	64.5	64.4	64.0	64.1	64.2	64.0	13	00	67.1	7	16	58.7	8.4	27
65.9	65.1	64.9	65.4	64.9	64.6	64.5	63.9	63.9	63.9	13	39	67.7	7	38	58.6	9.1	28
67.4	66.4	65.6	67.4	66.4	64.9	64.8	64.1	64.5	64.1	14	32	68.8	7	54	56.7	12.1	29
65.6	64.6	64.9	65.1	63.8	63.8	63.8	63.8	64.3	64.2	14	06	66.4	7	00	61.8	4.6	30
63.6	63.9	64.7	63.9	64.8	64.7	64.7	64.4	64.6	64.0	12	00	67.6	7	12	58.8	8.8	31
65.6	64.9	64.6	64.5	64.3	63.9	63.7	63.6	63.7	63.7							8.0	
65.7	64.9	64.6	64.6	64.4	64.2	63.9	63.8	64.0	63.8							7.9	

SEPTEMBER, 1908.

1° WEST PLUS TABULAR MINUTES.

Day	1 ^h	2 ^h	3 ^h	4 ^h	5 ^h	6 ^h	7 ^h	8 ^h	9 ^h	10 ^h	11 ^h	Noon	13 ^h	14 ^h	15 ^h
1*	64.5	64.3	63.9	63.6	63.4	61.9	59.5	59.5	60.6	62.6	65.2	66.9	68.7	68.9	67.7
2*	64.5	64.5	64.3	64.0	63.5	62.5	60.5	60.5	61.2	62.0	63.6	65.6	67.0	67.6	67.6
3*	64.4	64.4	64.4	63.7	63.1	62.1	59.0	59.0	60.8	63.7	65.7	67.7	68.1	68.3	67.2
4	64.3	64.2	63.9	63.5	63.0	62.0	60.4	60.2	61.2	63.2	65.2	67.4	68.2	68.4	68.3
5	61.7	63.4	63.7	62.7	62.3	61.4	60.4	59.8	62.9	63.9	64.3	65.2	65.2	65.6	66.5
6	64.3	64.3	64.2	64.2	63.7	64.1	62.3	61.5	61.7	62.1	64.2	66.0	66.5	66.3	65.8
7	64.7	65.2	64.4	63.8	63.4	62.6	61.1	61.1	62.3	63.9	65.2	66.6	67.2	66.6	66.5
8	65.0	64.6	64.1	64.2	63.7	62.9	62.7	62.0	64.0	66.1	68.0	68.1	68.1	67.4	66.6
9	64.6	63.9	63.7	63.4	62.7	61.5	59.9	61.9	65.4	68.0	69.1	70.0	69.7	68.9	68.0
10	65.9	64.8	65.5	65.4	63.3	64.9	61.7	60.9	62.4	64.0	66.2	68.1	69.3	69.5	68.5
11	66.3	66.0	65.7	65.1	64.2	62.2	60.6	60.9	62.4	63.7	65.9	68.3	69.2	68.9	67.9
12	68.1	61.2	64.6	62.0	61.5	60.7	58.5	59.5	61.7	65.2	68.7	70.5	71.0	69.9	68.5
13	65.6	65.6	65.5	65.3	64.7	63.3	61.0	59.9	60.3	62.6	66.0	67.7	69.4	69.3	68.7
14	65.6	65.6	66.7	65.6	64.5	63.4	61.3	60.1	60.4	61.5	63.5	65.6	66.7	67.7	67.5
15	65.2	65.2	65.0	64.4	64.4	63.4	61.6	60.4	60.4	61.4	62.4	64.4	65.4	66.4	66.4
16	64.9	64.5	65.3	63.6	62.8	64.5	64.0	63.4	64.5	64.3	65.3	66.4	66.9	66.5	66.8
17	65.8	65.5	67.7	61.3	(61.4)	(62.7)	(62.6)	(62.7)	64.1	64.1	65.4	66.4	66.9	66.8	66.4
18*	65.3	65.0	64.8	65.6	64.9	64.2	62.9	62.1	62.2	64.2	65.6	67.2	67.3	67.3	66.7
19*	64.8	64.9	64.8	65.4	65.0	65.1	63.4	62.1	62.1	63.5	64.7	66.1	67.1	67.2	67.2
20*	65.3	65.4	65.3	65.1	64.9	64.7	63.8	63.3	63.9	64.9	65.6	66.1	66.5	67.0	66.7
21*	65.0	64.9	64.8	64.4	64.2	63.7	62.5	62.4	63.7	65.7	67.0	68.0	68.4	67.6	66.8
22	65.0	65.2	64.3	64.1	64.0	63.6	63.3	62.9	62.9	63.8	65.0	66.2	66.8	66.8	66.3
23	64.9	64.8	64.6	64.3	63.9	62.8	61.6	61.9	63.7	65.3	67.4	67.9	67.8	67.8	66.5
24*	64.8	64.7	64.3	63.9	63.7	62.9	61.8	61.7	64.5	65.3	65.8	65.8	67.1	67.1	67.2
25*	64.7	64.7	64.5	64.0	63.6	62.6	60.6	60.6	62.1	64.2	66.1	67.6	68.0	67.7	66.6
26*	65.0	65.2	64.8	64.6	64.4	63.5	61.5	61.2	62.7	65.4	66.9	67.8	68.3	67.7	66.5
27	65.5	65.2	65.1	64.7	64.1	63.6	62.9	62.7	62.6	64.5	66.6	68.6	69.2	68.7	67.5
28	65.3	65.2	65.1	64.8	63.7	65.5	63.2	60.8	59.7	61.3	62.5	65.2	66.6	67.5	66.5
29	64.6	65.9	65.3	64.4	64.5	63.9	61.7	61.4	62.5	63.6	64.9	69.4	71.0	69.9	71.6
30	62.0	62.5	64.7	65.6	65.3	65.9	66.2	65.0	63.7	63.6	65.7	66.1	66.9	66.3	66.5
Mean....	64.9	64.7	64.2	64.2	63.7	63.3	61.8	61.4	62.4	63.9	65.6	67.1	67.8	67.7	67.2
Mean*....	64.8	64.8	64.6	64.4	64.1	63.3	61.6	61.2	62.4	64.2	65.6	66.9	67.6	67.6	67.0

OCTOBER, 1908.

1° WEST PLUS TABULAR MINUTES.

1	65.7	64.8	64.3	66.0	64.8	64.3	62.3	61.2	61.3	62.1	63.3	64.2	65.2	65.7	65.2
2	65.2	65.2	65.4	65.3	65.0	64.9	64.0	63.4	62.6	63.1	64.3	65.2	66.0	66.3	66.8
3	65.4	65.3	65.1	66.1	65.1	66.0	64.5	62.8	62.5	63.1	64.7	66.7	66.4	67.2	67.4
4	63.4	64.1	64.1	64.6	65.0	65.1	64.1	64.1	64.3	66.0	67.1	66.7	66.9	67.3	67.1
5	65.0	65.1	65.4	65.9	66.9	65.8	65.0	65.0	65.7	68.2	68.6	68.4	68.8	68.8	68.9
6	64.7	64.8	64.9	64.8	64.7	65.0	62.8	63.5	63.5	64.8	65.7	66.7	67.4	68.1	67.8
7	65.0	65.0	65.4	65.3	64.9	64.1	63.5	62.7	61.9	62.7	64.0	65.6	67.0	67.9	67.7
8	65.3	65.9	64.7	64.7	64.7	64.3	62.7	61.6	61.2	62.8	64.7	66.6	67.6	67.6	66.9
9*	65.9	65.9	65.9	65.8	65.3	64.9	63.7	62.1	60.8	62.1	63.9	66.2	67.2	67.2	66.6
10*	66.2	66.1	65.9	65.9	65.4	64.9	63.9	62.8	61.9	62.3	64.3	66.8	68.5	68.9	68.6
11	65.9	65.8	65.7	65.4	64.9	64.4	63.1	61.9	61.1	62.2	63.8	65.0	65.8	66.3	66.8
12	65.6	65.1	64.9	64.7	65.0	65.2	66.0	64.7	63.7	63.5	65.1	66.1	66.8	67.3	67.7
13	64.8	65.8	67.8	67.0	66.7	66.0	64.8	64.4	64.8	62.9	63.7	65.0	66.0	66.7	67.1
14	66.5	65.8	66.2	66.6	66.5	66.6	66.7	65.7	65.9	66.1	65.7	66.4	67.2	67.2	67.0
15*	65.8	65.9	66.0	65.8	65.7	65.5	64.7	63.4	63.6	65.3	66.7	67.7	68.5	68.7	68.4
16*	66.1	66.2	66.3	66.7	66.1	65.9	64.9	62.9	62.1	62.1	63.7	65.8	67.3	68.2	68.7
17	65.6	65.7	65.5	65.8	65.6	65.3	64.0	62.4	61.5	62.5	63.6	65.3	66.2	67.0	67.6
18	65.6	65.6	65.5	65.5	65.5	66.2	65.6	64.6	64.6	64.6	65.5	66.0	66.4	67.1	67.9
19	65.6	65.6	65.6	65.7	65.6	65.2	64.8	63.7	63.6	64.0	65.4	66.0	66.1	66.9	67.1
20*	66.3	66.5	66.4	66.1	65.9	65.9	65.6	64.7	64.1	63.7	64.1	64.9	65.6	65.6	66.0
21*	65.5	65.5	65.5	65.4	65.3	65.0	64.3	63.3	62.3	62.4	63.5	65.5	66.6	67.4	67.4
22*	65.4	65.4	65.3	65.2	64.7	64.6	63.9	63.3	63.1	63.3	64.7	66.4	66.7	66.7	67.0
23*	65.6	65.5	65.4	65.3	64.7	64.5	63.3	61.7	61.4	61.6	63.5	65.3	65.9	66.4	66.5
24*	65.5	65.8	65.6	65.5	65.5	65.2	64.4	63.4	63.3	63.9	65.4	67.1	67.7	68.3	67.6
25	65.7	66.0	65.9	65.6	65.5	65.5	64.6	64.2	(64.2)	(64.9)	(66.4)	(67.8)	(68.4)	(69.1)	(69.2)
26	65.6	65.6	65.4	65.4	65.2	65.0	64.0	63.3	63.2	64.0	65.4	66.4	66.9	67.5	68.2
27	65.6	66.0	65.6	65.5	65.5	65.4	64.2	63.8	63.5	63.9	66.2	67.5	68.3	68.6	68.3
28*	66.0	66.0	65.8	65.6	65.4	65.4	64.6	63.8	63.2	63.3	64.3	65.2	65.6	66.4	67.2
29	66.2	66.3	66.1	65.7	65.6	65.5	65.5	65.1	64.4	64.5	65.5	66.0	66.4	67.0	67.3
30	65.6	66.1	65.9	65.5	65.7	65.7	65.4	64.3	63.1	63.1	63.9	64.9	65.4	66.4	67.4
31	66.3	66.4	66.4	69.6	69.4	67.5	65.8	65.2	66.2	64.9	64.5	65.3	66.5	67.8	66.7
Mean....	65.6	65.6	65.6	65.7	65.5	65.4	64.4	63.5	63.2	63.7	64.8	66.1	66.8	67.3	67.4
Mean*....	65.8	65.9	65.8	65.7	65.4	65.2	64.3	63.1	62.6	63.0	64.4	66.1	67.0	67.4	67.4

*The mean hourly values given on the bottom line are derived from the "quiet days" indicated by asterisks.

HOURLY VALUES OF DECLINATION.

45

SEPTEMBER, 1908.

1° WEST PLUS TABULAR MINUTES.

16 ^h	17 ^h	18 ^h	19 ^h	20 ^h	21 ^h	22 ^h	23 ^h	24 ^h	Mean	Maximum			Minimum			Range	Day
										<i>h</i>	<i>m</i>	<i>°</i>	<i>h</i>	<i>m</i>	<i>°</i>	<i>°</i>	
67.0	66.3	65.4	64.9	64.9	65.0	64.6	64.6	64.6	64.5	13	37	69.0	7	39	59.0	10.0	1
66.9	66.3	65.6	65.4	64.9	64.9	64.6	64.7	64.5	64.4	14	22	67.9	7	20	60.5	7.4	2
66.5	65.4	65.3	65.4	65.4	65.2	64.6	64.4	64.4	64.5	14	06	68.4	7	16	58.7	9.7	3
66.7	66.5	64.9	65.3	66.4	64.8	62.4	63.7	61.4	64.4	13	49	68.9	7	19	59.9	9.0	4
66.4	65.4	64.4	63.5	63.7	65.5	64.3	63.4	64.1	63.7	15	48	66.9	7	22	58.4	8.5	5
65.3	64.9	64.6	64.3	65.7	65.4	64.8	64.3	64.7	64.4	13	36	66.7	7	45	61.2	5.5	6
66.1	65.2	65.3	65.2	65.3	65.3	65.4	65.2	65.2	64.7	12	47	67.2	7	26	60.8	6.4	7
66.4	66.0	66.2	65.8	65.9	65.8	65.2	65.6	65.0	65.4	12	34	68.4	8	12	61.6	6.8	8
67.6	67.4	66.0	66.0	66.2	66.2	65.1	64.4	64.6	65.6	12	00	70.0	6	55	59.9	10.1	9
66.4	65.1	64.9	65.2	65.4	65.3	65.4	66.0	66.1	65.4	13	21	69.7	7	21	60.7	9.0	10
66.8	64.8	63.0	64.7	63.1	68.9	61.2	61.8	61.8	64.7	13	21	69.3	7	26	60.5	8.8	11
67.1	66.3	65.8	65.7	65.7	65.6	65.4	65.5	65.7	65.2	12	55	71.1	8	28	62.9	13.5	12
67.9	66.7	66.0	65.9	65.7	65.1	65.7	65.7	66.8	65.4	13	12	69.7	8	12	59.6	10.1	13
66.5	65.8	65.6	65.6	65.6	65.5	65.5	65.5	65.7	64.9	14	23	67.8	8	23	59.9	7.9	14
65.4	65.1	65.5	65.3	62.7	65.5	65.3	65.3	65.0	64.2	14	00	66.4	8	36	60.1	6.3	15
66.3	65.4	65.0	65.4	65.6	64.4	65.5	64.4	65.5	65.0	12	38	67.2	7	28	62.6	4.6	16
65.4	65.2	65.6	65.9	65.4	64.3	65.4	65.4	65.3	64.9	12	48	67.2	4	00	61.3	5.9	17
66.3	65.8	65.4	65.3	64.9	65.3	65.0	65.0	65.0	65.1	13	00	67.3	8	00	62.1	5.2	18
66.1	65.5	65.1	64.8	65.1	65.1	65.1	65.2	65.2	65.0	14	00	67.2	8	28	61.8	5.4	19
66.4	66.0	65.5	65.4	65.5	65.3	65.2	65.3	65.2	65.3	14	00	67.0	7	40	63.0	4.0	20
66.0	65.6	65.5	65.1	65.2	65.2	65.2	65.1	65.0	65.3	12	37	69.0	7	40	62.3	6.7	21
66.1	65.3	65.8	65.3	65.3	65.6	65.5	65.0	65.0	65.0	13	21	67.4	8	00	62.9	4.5	22
65.5	65.4	65.7	65.4	65.4	65.2	65.0	64.9	65.0	65.1	12	00	67.9	7	14	61.6	6.3	23
66.7	66.5	66.2	65.7	65.5	65.3	65.0	65.0	64.9	65.1	15	09	67.5	7	24	61.4	6.1	24
65.5	65.6	65.6	65.6	65.6	65.5	65.6	65.5	65.0	64.9	13	00	68.0	7	30	59.8	8.2	25
65.9	65.9	66.4	66.1	66.0	65.6	65.8	65.7	65.8	65.4	13	00	68.3	7	46	60.5	7.8	26
66.2	65.5	65.5	65.6	65.5	65.4	65.4	65.5	65.5	65.5	12	49	69.3	7	36	62.4	6.9	27
66.5	66.1	65.5	65.5	65.1	65.0	65.7	64.0	65.5	64.7	14	00	67.5	8	42	59.4	8.1	28
70.5	68.6	66.4	66.9	65.3	64.3	63.3	63.3	63.4	65.7	14	54	72.1	7	14	61.3	10.8	29
66.2	(65.8)	(64.8)	(65.3)	64.7	64.2	6.3	64.2	64.6	65.0	12	47	67.2	0	38	61.2	6.0	30
66.5	65.8	65.4	61.4	65.2	65.3	64.9	64.8	64.8	65.0							7.5	
66.3	65.9	65.6	65.4	65.3	65.2	65.1	65.0	65.0	65.0							7.0	

OCTOBER, 1908.

1° WEST PLUS TABULAR MINUTES.

65.6	66.1	66.0	65.8	65.8	65.5	65.3	65.3	65.3	64.6	14	18	66.1	8	00	61.2	4.9	1
66.5	66.4	66.3	66.2	66.0	65.9	65.4	65.2	65.2	65.2	15	09	67.0	9	15	62.6	4.4	2
67.1	67.0	66.1	66.1	65.1	63.2	64.3	63.8	63.6	65.2	14	37	67.6	8	56	62.0	5.6	3
66.6	66.9	66.1	64.8	65.4	65.1	64.9	65.1	65.1	65.4	14	32	67.6	0	30	63.2	4.4	4
69.0	67.8	66.8	63.2	65.1	65.0	64.5	63.1	64.7	66.3	5	30	69.3	6	18	64.3	5.0	5
67.9	67.7	66.1	66.0	65.4	65.8	65.9	65.3	65.0	65.6	14	42	68.2	7	06	62.8	5.4	6
67.1	66.5	65.7	65.1	65.3	65.3	65.3	65.5	65.1	65.2	14	41	68.1	9	00	61.9	6.2	7
66.7	66.5	66.5	65.9	65.9	66.0	66.0	65.9	65.9	65.3	14	00	67.6	8	27	61.0	6.6	8
66.4	66.1	66.1	66.5	66.3	66.3	66.4	66.4	66.4	65.4	14	00	67.2	9	00	60.8	6.4	9
67.3	66.8	66.4	66.3	66.0	65.9	65.9	65.9	65.9	65.8	14	00	68.9	9	00	61.9	7.0	10
66.8	66.8	66.8	66.8	66.6	66.0	65.8	66.1	65.8	65.2	15	19	67.1	8	56	61.1	6.0	11
67.0	65.9	66.8	66.7	65.6	64.8	61.8	66.0	63.0	65.4	14	36	68.0	21	33	61.0	7.0	12
66.8	66.8	65.8	65.4	65.0	65.7	64.8	65.0	66.0	65.6	2	30	68.7	10	12	62.7	6.0	13
66.7	66.4	66.3	66.1	65.8	65.7	65.7	65.7	65.9	66.4	6	07	69.7	8	23	65.4	4.3	14
67.7	66.8	66.2	66.3	65.7	65.7	65.8	65.8	65.8	66.1	14	00	68.7	8	29	63.0	5.7	15
68.3	66.4	66.5	66.1	65.7	65.7	65.6	65.6	65.7	65.8	15	00	68.7	8	48	61.6	7.1	16
67.5	66.6	65.6	64.8	64.8	64.8	64.6	64.6	65.2	65.1	14	48	67.8	9	00	61.3	6.3	17
67.4	67.0	66.7	66.4	65.6	65.6	65.5	65.4	65.4	65.9	15	00	67.9	8	23	64.0	3.9	18
67.0	66.6	66.6	66.5	66.3	66.1	66.2	66.2	66.2	65.8	15	00	67.1	9	00	63.6	3.5	19
65.6	65.8	65.9	65.9	65.7	65.6	65.6	65.6	65.6	65.5	2	00	66.5	10	00	63.7	2.8	20
67.2	67.0	66.5	66.1	65.7	65.7	65.7	65.7	65.5	65.4	15	00	67.4	9	00	62.3	5.1	21
67.0	67.2	66.5	65.8	65.7	65.5	65.5	65.7	65.6	65.4	17	00	67.2	8	30	62.6	4.6	22
67.1	67.3	66.5	66.3	65.7	65.5	65.5	65.7	65.7	65.1	17	00	67.3	9	00	61.4	5.9	23
67.5	66.5	66.5	66.3	65.7	65.6	65.5	65.5	65.6	65.8	13	31	68.4	9	00	63.3	5.1	24
(68.8)	68.1	66.9	66.5	65.9	65.6	65.7	65.5	65.7	66.3	15	00	69.2	8	00	64.2	5.0	25
67.4	67.2	66.4	66.4	65.6	65.5	65.5	65.5	65.4	65.7	15	00	68.2	8	17	62.5	5.7	26
67.7	67.4	67.0	66.4	66.0	65.5	65.6	66.0	66.2	66.1	13	31	68.6	9	00	63.5	5.1	27
66.6	66.4	66.4	66.4	66.0	65.8	65.7	65.7	66.0	65.5	15	00	67.2	8	54	63.1	4.1	28
66.7	66.6	66.4	66.0	65.8	65.5	65.9	65.2	65.9	65.9	14	42	67.4	8	50	64.4	3.0	29
67.5	67.3	66.7	66.4	66.3	66.2	66.3	66.0	66.1	65.7	16	00	67.5	8	51	62.7	4.8	30
67.9	67.2	66.7	66.6	66.2	(66.1)	(66.2)	(65.9)	65.6	66.5	3	57	70.3	8	28	64.3	6.0	31
67.2	66.8	66.4	66.0	65.7	65.6	65.4	65.5	65.5	65.6							5.3	
67.1	66.6	66.4	66.2	65.8	65.7	65.7	65.8	65.8	65.6							5.4	

NOVEMBER, 1908.

1° WEST PLUS TABULAR MINUTES.

Day	1 ^h	2 ^h	3 ^h	4 ^h	5 ^h	6 ^h	7 ^h	8 ^h	9 ^h	10 ^h	11 ^h	Noon	13 ^h	14 ^h	15 ^h
1	66.8	65.9	65.6	66.1	67.4	66.3	65.0	65.0	64.5	65.2	65.0	65.3	66.1	67.1	67.4
2	65.8	65.7	66.2	66.2	66.0	66.1	65.6	65.2	65.3	66.2	66.5	67.2	67.8	68.1	67.6
3*	65.8	65.9	66.1	66.1	66.1	66.2	66.2	66.0	64.8	65.1	64.6	65.3	65.2	65.2	65.4
4*	65.8	65.9	66.1	66.0	65.9	66.2	65.5	65.3	65.3	66.0	66.6	67.3	67.4	67.5	67.0
5*	65.8	65.6	65.6	65.4	65.3	65.3	65.2	64.2	64.1	64.3	65.7	66.3	66.4	66.2	65.9
6	66.1	66.1	66.0	65.8	65.8	65.7	65.4	64.5	64.3	64.5	65.4	67.1	67.4	67.1	66.4
7	.....	.....	.....	.....	.....	.....	.....	64.3	64.6	65.0	66.1	67.2	67.4	67.4	66.9
8	.....	.....	.....	.....	.....	.....	.....	68.2	66.2	68.3	67.4	67.9	68.2	68.9	68.9
9	.....	.....	.....	.....	.....	.....	.....	.....	63.8	63.9	64.3	65.3	66.3	.....	.....
10	66.2	67.3	66.2	66.4	66.5	67.1	67.4	65.2	62.6	62.7	64.3	65.2	66.8	66.7	66.9
11	66.4	66.4	68.4	67.2	65.9	65.5	64.3	63.3	62.3	63.2	64.2	65.3	66.8	67.4	67.4
12*	66.3	66.3	66.3	66.3	66.3	66.3	65.8	64.3	62.2	61.6	63.1	64.5	66.3	67.5	68.3
13*	66.3	66.3	66.5	66.3	66.3	65.9	66.0	65.1	63.7	64.1	65.1	66.3	67.2	68.2	68.3
14*	66.3	66.3	66.3	66.3	66.2	66.0	65.3	64.2	64.1	64.2	65.8	67.4	68.3	68.3	68.5
15*	66.4	66.1	65.9	66.2	66.2	66.4	65.9	65.4	65.3	65.0	65.4	66.4	66.6	66.9	66.6
16*	66.4	66.4	66.3	66.1	66.1	66.1	66.1	65.0	63.7	63.4	64.3	65.8	66.8	67.3	67.3
17	65.9	66.0	65.5	67.2	65.3	65.3	64.6	67.2	64.3	65.5	67.7	66.3	66.3	67.2	67.2
18	65.3	65.3	65.8	66.1	66.1	66.3	66.2	65.5	65.2	65.4	66.1	66.4	66.4	66.5	66.8
19	66.6	66.3	66.7	66.4	66.2	66.2	66.1	65.1
20
21
22
23
24
25
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27
28
29	66.9	67.9	67.4	68.2	66.5	66.2	66.0	64.9	64.0	64.3	66.0	68.0	69.8	70.2	70.0
30	66.7	67.0	67.0	66.9	66.8	66.8	65.8	64.6	63.5	63.1	63.7	65.3	66.5	67.7	67.7
Mean.....	66.1	66.2	66.3	66.3	66.2	66.1	65.7	65.0	64.1	64.3	65.2	66.0	66.7	67.2	67.2
Mean*.....	66.1	66.1	66.1	66.1	66.0	66.0	65.8	64.9	64.2	64.2	65.1	66.2	66.8	67.1	67.2

DECEMBER, 1908.

1° WEST PLUS TABULAR MINUTES.

1	66.0	66.4	66.3	66.2	66.0	66.0	65.9	64.5	63.3	62.8	63.6	65.2	66.9	68.2	69.4
2*	65.2	65.2	65.5	65.6	65.4	65.7	65.9	64.8	63.0	62.2	62.2	63.2	64.6	65.8	66.8
3*	66.0	66.3	66.1	66.0	65.8	65.7	66.3	65.4	64.6	64.3	64.5	65.2	65.3	65.8	66.5
4	65.3	65.2	65.2	65.6	65.1	65.1	66.3	66.6	66.4	65.3	65.6	66.3	66.2	66.0	66.1
5	66.2	67.2	66.3	71.1	67.9	70.1	67.9	66.0	65.0	64.7	64.9	65.1	65.4	65.9	65.6
6	65.9	65.8	65.9	66.2	65.7	65.9	65.7	64.8	63.9	63.1	63.9	65.3	66.0	66.2	66.9
7	66.0	66.4	66.3	65.8	66.8	65.7	66.6	65.7	64.1	64.2	64.8	65.7	66.2	66.7	66.7
8	66.3	66.6	66.2	66.1	65.9	66.1	65.9	65.5	64.7	64.7	65.6	66.7	66.9	67.3	67.6
9*	66.6	66.7	66.7	66.4	65.9	65.7	65.8	64.7	63.7	63.7	64.7	66.6	67.5	68.2	67.8
10*	66.7	66.7	66.7	66.4	66.3	65.6	65.7	65.1	65.0	65.5	66.8	67.7	68.6	68.3	67.9
11*	66.7	66.8	66.8	66.7	66.5	65.7	65.6	64.6	64.4	64.9	65.7	66.9	67.8	68.5	68.5
12	66.9	67.1	67.2	67.0	66.7	66.5	66.6	65.6	64.6	64.4	64.7	66.6	68.6	69.6	69.4
13	66.5	66.5	66.5	66.9	66.4	66.6	68.3	67.4	66.4	64.8	65.5	66.3	66.7	67.5	67.6
14	67.2	67.2	66.9	66.9	66.7	66.4	66.7	66.2	64.9	65.4	67.4	68.9	69.3	69.2	68.8
15*	67.3	67.4	67.4	67.3	66.7	66.7	66.8	65.3	64.3	64.3	66.1	68.8	70.3	69.7	69.0
16	66.8	67.1	67.1	66.8	66.4	66.5	67.3	66.3	65.2	65.2	66.4	68.3	70.7	70.2	69.1
17	67.1	67.2	67.2	67.2	67.0	66.5	67.0	66.0	65.0	65.1	65.9	68.0	69.2	69.2	68.6
18	66.6	67.1	67.1	67.0	67.4	66.5	67.1	66.3	65.1	64.4	65.0	65.9	67.1	68.1	68.3
19	67.1	66.7	67.2	66.9	67.0	66.9	67.0	66.5	65.9	64.9	65.0	66.7	67.4	67.9	68.3
20*	66.9	67.0	66.9	66.8	66.7	66.9	66.1	66.2	65.0	63.9	63.7	66.5	68.7	69.0	68.9
21*	67.0	67.0	67.1	67.0	67.0	67.0	67.1	64.8	64.1	62.9	63.1	67.2	69.0	69.0	68.9
22*	67.0	67.1	67.1	67.1	67.0	66.9	67.3	66.0	63.8	63.8	65.5	66.7	67.5	67.7	67.7
23	67.4	67.5	67.6	67.6	67.4	67.5	67.4	65.6	62.8	63.1	66.6	68.2	68.8	68.7	68.7
24	67.5	67.7	67.2	67.0	66.8	66.8	66.6	65.7	65.7	66.6	66.8	67.9	68.6	68.6	67.9
25	67.4	67.4	67.5	67.4	66.9	66.7	66.6	64.9	63.6	63.4	65.9	68.1	68.9	69.2	68.0
26	66.7	67.4	67.4	67.4	67.6	67.4	66.8	65.5	64.0	65.5	67.7	69.1	70.5	69.4	68.5
27	67.4	67.6	67.6	67.4	67.3	66.7	66.3	65.4	65.4	66.1	67.6	68.5	68.7	68.5	67.6
28*	67.6	67.6	67.6	67.5	67.5	67.1	66.5	65.3	63.9	64.7	66.7	68.6	70.0	69.6	68.4
29	67.3	67.5	67.5	67.3	67.3	67.2	66.4	65.4	64.5	66.2	67.9	69.4	70.7	70.7	69.5
30	67.3	67.4	67.3	67.4	67.4	66.5	65.4	64.3	63.8	65.1	67.3	68.7	70.7	71.2	70.5
31	67.2	67.1	67.1	67.1	66.8	66.6	66.4	64.9	63.9	65.6	67.6	69.5	71.3	71.5	70.5
Mean.....	66.7	66.9	66.9	66.9	66.7	66.6	66.6	65.5	64.5	64.5	65.6	67.2	68.2	68.4	68.2
Mean*.....	66.7	66.8	66.8	66.7	66.5	66.3	66.3	65.2	64.2	64.0	64.9	66.7	67.9	68.2	68.0

*The mean hourly values given on the bottom line are derived from the "quiet days" indicated by asterisks.

1° WEST PLUS TABULAR MINUTES.

1° WEST PLUS TABULAR MINUTES.

68.5	66.9	66.3	66.1	65.8	65.9	65.5	65.3	65.9	15 00	69.4	10 00	62.8	6.6	1
66.8	66.0	65.7	65.7	65.8	65.7	65.6	65.6	65.2	16 00	66.8	10 27	61.9	4.9	2
67.1	66.9	66.4	65.7	65.7	65.7	65.5	65.5	65.7	16 00	67.1	10 00	64.3	2.8	3
66.9	66.7	66.6	61.3	64.1	65.0	62.4	66.0	65.5	16 00	66.9	21 48	60.0	6.9	4
65.4	64.3	65.1	65.2	65.0	65.4	65.8	65.9	66.1	4 00	71.1	9 39	64.0	7.1	5
65.8	65.9	64.9	65.3	65.4	65.5	65.6	65.7	65.9	15 00	66.9	10 00	63.1	3.8	6
66.5	66.0	65.7	65.7	65.6	65.7	65.8	66.0	66.4	5 00	66.8	9 28	63.8	3.0	7
66.7	65.9	65.7	65.7	65.7	65.7	65.8	66.4	66.7	15 00	67.6	9 00	64.7	2.9	8
67.1	67.3	67.1	66.8	65.9	65.9	66.1	66.3	66.6	14 00	68.2	9 00	63.7	4.5	9
67.6	66.7	66.6	66.5	66.0	65.9	66.3	66.6	66.7	13 00	68.6	8 25	64.6	4.0	10
67.8	67.0	66.5	66.5	66.3	66.0	66.1	66.7	66.7	15 00	68.5	9 00	64.4	4.1	11
68.5	67.2	66.7	66.5	66.2	66.0	66.4	66.5	66.7	14 00	69.6	10 00	64.4	5.2	12
67.5	67.2	66.6	66.5	66.4	66.3	66.3	66.5	66.7	6 45	68.4	10 00	64.8	3.6	13
67.9	66.7	66.4	66.2	66.1	66.0	66.4	66.5	66.8	13 00	69.3	9 00	64.9	4.4	14
67.6	66.9	66.8	66.6	66.4	66.4	66.4	66.6	67.4	13 00	70.3	9 15	63.9	6.4	15
68.1	67.1	66.7	66.5	66.3	66.1	66.3	66.6	67.1	13 09	70.9	9 36	65.0	5.9	16
68.2	67.2	67.0	66.4	66.2	66.0	66.1	66.4	66.5	13 00	69.2	9 00	65.0	4.2	17
67.6	66.4	66.2	66.4	66.4	66.8	66.0	66.4	67.0	15 00	68.3	10 17	64.3	4.0	18
68.2	67.4	67.1	67.0	67.0	66.8	66.7	66.9	67.1	15 00	68.9	10 00	64.9	3.4	19
68.7	67.1	67.0	67.0	66.8	66.8	66.8	66.8	66.8	13 39	69.2	10 09	63.5	5.7	20
68.3	68.0	67.4	67.0	66.9	66.9	67.0	67.0	66.8	14 00	69.0	10 21	62.5	6.5	21
66.8	67.3	67.5	66.8	66.8	66.8	66.9	67.4	66.7	14 30	67.9	9 39	63.5	4.4	22
68.0	66.8	67.2	66.9	66.7	66.7	66.8	66.9	67.4	13 00	68.8	9 22	62.1	6.7	23
66.9	66.7	66.8	66.9	66.8	66.9	67.0	67.4	67.6	14 00	68.6	9 05	65.1	3.5	24
66.6	66.4	66.6	66.5	66.5	66.4	66.6	66.7	66.6	14 00	69.2	9 34	62.9	6.3	25
67.0	66.8	66.8	66.5	66.4	66.3	66.5	67.2	67.4	13 00	70.5	9 06	63.8	6.7	26
66.5	66.4	66.6	66.7	66.6	66.8	67.2	67.3	67.6	13 00	68.7	8 48	64.7	4.0	27
66.7	66.5	66.8	66.1	66.5	66.6	66.7	67.1	67.3	10 08	70.2	9 00	63.9	6.3	28
68.0	67.3	66.9	67.2	66.6	66.5	66.5	67.3	67.3	13 32	73.3	9 00	64.5	8.8	29
67.6	66.5	67.2	67.3	66.8	66.6	66.6	66.8	67.0	13 38	72.0	8 39	63.4	8.6	30
68.4	67.2	67.4	67.2	66.6	66.4	66.5	66.5	66.9	14 00	71.5	9 09	63.8	7.7	31
67.4	66.7	66.6	66.3	66.2	66.2	66.2	66.5	66.8	66.6				5.3	
67.4	67.0	66.8	66.5	66.3	66.3	66.3	66.6	66.7	66.5				5.0	

JANUARY, 1907.

28500₇ PLUS TABULAR QUANTITIES.

Day	1 ^h	2 ^h	3 ^h	4 ^h	5 ^h	6 ^h	7 ^h	8 ^h	9 ^h	10 ^h	11 ^h	Noon	13 ^h	14 ^h	15 ^h
	<i>T</i>	<i>T</i>	<i>T</i>	<i>T</i>	<i>T</i>	<i>T</i>	<i>T</i>	<i>T</i>	<i>T</i>	<i>T</i>	<i>T</i>	<i>T</i>	<i>T</i>	<i>T</i>	<i>T</i>
1	671	670	669	673	677	682	693	699	694	686	682	683	672	660	661
2	637	637	643	649	652	654	667	676	675	671	666	673	663	644	642
3*	652	654	653	655	655	654	666	672	672	663	662	665	644	635	639
4	652	654	656	657	659	660	667	678	685	683	671	666	641	631	629
5	656	662	665	660	663	671	686	700	707	694	680	679	653	629	620
6*	629	629	632	633	637	639	645	651	655	657	657	647	635	611	604
7	625	625	628	631	633	641	657	658	651	659	667	666	651	635	623
8	625	631	635	639	642	643	655	663	664	656	...	...	603	594	571
9*	661	663	665	666	668	668	671	676	674	674	666	661	649	635	643
10	666	672	668	675	678	679	682	688	683	679	681	668	658	651	660
11	650	655	656	658	670	681	674	664	653	650	659	659	612	633	616
12	628	626	630	634	633	642	644	647	642	639	637	630	630	628	625
13*	646	646	651	650	649	648	649	647	650	654	659	659	661	652	644
14	652	651	651	657	651	653	654	653	657	659	647	643	629	639	647
15	641	647	650	669	667	643	648	654	643	639	633	630	638	645	646
16	643	642	655	656	655	650	656	644	636	629	630	637	646	648	645
17*	643	646	646	653	655	650	650	653	653	647	642	634	637	645	649
18*	648	650	652	653	652	651	654	659	653	651	652	651	646	650	651
19*	651	652	655	657	657	656	662	667	668	665	659	652	649	647	647
20*	655	652	654	658	659	657	659	662	661	654	643	640	643	646	649
21*	653	655	655	655	655	653	651	655	657	658	652	649	635	629	634
22	648	648	650	652	652	653	653	658	653	645	635	634	630	619	613
23	630	632	640	648	652	651	655	656	655	648	642	641	638	637	640
24	651	652	652	658	660	662	662	657	653	653	647	634	635	636	631
25*	655	656	658	659	659	670	677	678	672	654	652	642	639	643	651
26	659	660	661	661	663	664	667	669	664	656	667	674	663	650	651
27	649	651	650	652	654	657	671	676	675	675	691	683	672	660	656
28	654	666	663	663	661	659	666	666	663	652	657	666	659	650	650
29	656	657	656	658	658	658	661	664	661	657	654	648	643	648	649
30	653	651	653	657	659	659	669	674	672	667	670	673	670	664	661
31	658	659	658	662	661	663	667	673	669	668	670	675	668	669	669
Mean....	649	651	652	656	657	658	663	666	664	660	658	655	647	642	642
Mean*...	649	650	652	654	655	655	658	662	662	658	654	650	644	639	641

FEBRUARY, 1907.

28500₇ PLUS TABULAR QUANTITIES.

1*	656	657	659	659	662	664	671	675	672	672	668	661	647	643	644
2*	656	657	660	661	664	666	671	672	664	660	661	659	651	652	654
3*	657	657	658	660	663	667	671	677	682	682	683	675	668	662	660
4*	658	657	656	660	662	663	665	668	666	658	653	653	647	645	649
5*	660	661	662	663	664	664	666	669	670	673	669	659	656	661	663
6	665	669	670	673	671	674	675	677	674	668	671	671	671	671	664
7	639	643	642	650	635	630	631	632	630	621	614	608	606	596	601
8	597	614	621	632	642	638	659	662	661	664	662	657	625	616	613
9	623	622	631	636	627	635	639	642	639	631	565	535	516	465	418
10	515	523	535	546	550	553	560	576	585	587	594	593	586	558	567
11	586	590	593	598	601	603	610	618	611	608	609	601	604	603	628
12	597	599	603	604	609	607	613	618	615	615	618	611	606	611	610
13	617	619	619	616	623	620	628	632	632	628	629	626	623	616	612
14	628	640	623	619	636	636	625	611	622	599	588	569	565	567	567
15	604	603	607	614	624	627	621	627	619	610	600	585	583	581	579
16	611	615	619	621	638	635	644	641	630	623	616	610	602	611	615
17*	632	633	634	635	640	646	649	654	660	654	650	639	622	620	622
18*	640	640	640	641	638	642	644	647	645	642	635	633	631	624	624
19	642	645	646	645	652	649	653	654	653	644	635	629	608	600	595
20	602	610	621	629	638	641	649	658	655	655	643	637	638	638	628
21	613	616	623	633	638	641	644	650	646	643	637	636	626	623	621
22	637	638	635	639	649	645	648	652	654	648	622	624	624	624	612
23	642	642	643	641	641	646	651	649	649	646	648	652	652	643	646
24	629	631	631	642	645	647	650	635	645	639	631	619	607	611	610
25	629	632	636	639	649	647	656	649	657	660	665	657	649	627	609
26*	634	632	634	635	635	638	647	653	654	650	645	645	640	637	632
27*	638	639	640	642	644	646	649	650	645	645	646	655	654	642	633
28*	630	632	634	640	645	649	653	647	647	643	653	650	643	633	633
Mean....	626	629	631	635	639	640	644	646	646	642	636	630	623	617	615
Mean*...	646	646	648	650	652	654	659	661	660	658	656	653	646	642	641

* The mean hourly values given on the bottom line are derived from the "quiet days" indicated by asterisks.

JANUARY, 1907.

28500_r PLUS TABULAR QUANTITIES.

16 ^h	17 ^h	18 ^h	19 ^h	20 ^h	21 ^h	22 ^h	23 ^h	24 ^h	Mean	Maximum			Minimum			Range	Day
<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>r</i>	
658	658	651	(651)	650	649	643	648	645	668	8	30	699	21	39	641	58	1
645	649	644	644	647	646	649	651	651	653	8	42	678	0	48	636	42	2
639	644	649	651	647	640	648	652	653	653	9	00	672	14	00	635	37	3
(644)	655	661	662	651	646	637	641	645	655	9	15	685	14	46	627	58	4
617	610	612	613	619	616	616	617	615	648	8	45	710	17	28	607	103	5
611	621	622	619	621	622	625	625	624	631	9	34	657	14	53	604	53	6
614	607	610	592	606	615	623	603	610	630	10	56	671	19	06	591	80	7
540	631	633	629	632	642	650	656	659	660	8	25	665	16	00	540	125	8
652	651	652	653	657	659	659	660	664	660	7	53	676	14	07	633	43	9
666	671	669	671	668	664	664	663	656	670	7	57	690	14	30	646	44	10
607	612	617	623	625	626	629	627	625	641	4	49	689	12	48	603	86	11
630	632	635	639	640	645	647	647	648	637	7	29	650	14	30	617	33	12
644	644	644	650	649	648	652	647	650	650	11	23	662	17	36	643	19	13
629	583	602	622	640	643	641	633	637	641	9	50	661	17	13	573	88	14
644	630	623	638	643	649	645	638	635	643	4	14	687	18	02	623	64	15
641	637	637	641	642	638	635	642	643	643	6	58	656	10	32	626	30	16
648	646	646	645	649	648	647	649	647	647	4	45	655	12	28	633	22	17
652	651	650	650	649	648	649	654	651	651	7	54	659	13	00	646	13	18
652	656	660	662	658	652	654	654	652	656	9	15	670	14	26	645	25	19
652	653	654	654	654	653	652	652	653	653	8	25	663	11	55	639	24	20
639	646	651	651	651	651	650	650	649	649	9	17	658	13	53	629	29	21
616	628	631	627	617	610	613	614	625	634	7	53	658	21	45	609	49	22
650	650	653	652	653	652	653	651	652	647	8	00	656	0	00	625	31	23
637	640	648	648	650	650	652	653	655	649	6	57	662	14	37	628	34	24
657	659	659	659	659	658	657	657	657	658	7	11	678	13	27	639	39	25
642	644	647	646	648	650	650	650	649	656	11	54	674	16	18	641	33	26
654	650	653	650	646	653	650	661	659	660	11	16	692	19	47	645	47	27
643	636	642	643	649	654	655	656	656	655	7	18	668	16	48	636	32	28
655	656	652	634	636	649	648	647	650	652	7	57	664	19	00	634	30	29
661	660	653	647	649	649	643	651	656	659	8	03	675	20	55	637	38	30
664	662	660	657	658	660	658	651	659	663	8	34	676	23	00	651	25	31
642	641	643	643	644	644	645	645	646	650							46	
645	647	649	649	649	648	649	650	650	651							30	

FEBRUARY, 1907.

28500_r PLUS TABULAR QUANTITIES.

643	642	649	651	652	653	654	654	656	657	8	27	675	16	39	640	35	1
652	650	649	651	654	654	649	651	654	657	7	40	673	17	22	648	25	2
659	654	653	653	654	655	655	657	658	663	10	54	684	17	56	652	32	3
653	656	658	658	658	658	658	659	659	657	7	46	670	14	04	644	26	4
666	667	667	666	668	667	666	667	664	665	10	17	673	13	00	656	17	5
654	662	667	675	671	673	644	641	637	666	7	29	678	23	12	636	42	6
598	603	584	566	556	572	562	585	587	608	4	40	653	20	19	551	102	7
589	596	604	593	595	630	608	619	621	626	9	26	666	0	00	587	79	8
434	381	354	347	362	383	486	493	512	524	8	22	647	18	48	331	316	9
560	565	561	547	570	578	582	583	584	565	11	00	594	0	25	509	85	10
600	585	562	583	589	574	582	578	592	596	14	53	631	17	54	560	71	11
605	601	608	609	612	615	612	612	614	609	8	13	619	0	00	592	27	12
614	603	613	612	618	616	624	627	626	621	8	52	632	16	44	600	32	13
565	568	573	571	572	585	596	596	594	596	5	21	644	16	27	562	82	14
583	593	597	602	602	601	604	608	613	604	8	00	627	14	41	577	50	15
615	613	615	618	621	623	624	625	626	621	7	30	650	13	00	602	48	16
614	612	618	627	633	635	638	639	640	635	9	00	660	17	00	612	48	17
629	630	630	632	634	636	635	636	639	636	8	00	647	15	00	624	23	18
598	607	612	609	606	609	596	604	601	625	8	00	654	22	15	592	62	19
621	618	618	618	618	622	613	611	612	629	8	00	658	0	17	600	58	20
619	626	629	624	628	628	636	635	637	631	8	32	651	0	00	612	39	21
610	606	603	615	616	625	631	634	640	630	9	09	654	17	32	595	59	22
642	631	631	627	631	628	623	628	619	640	7	06	652	21	41	618	34	23
601	602	617	624	624	634	633	629	627	628	6	49	651	16	38	594	57	24
605	601	614	618	619	624	629	632	649	636	10	38	667	16	54	601	66	25
624	621	628	631	632	634	636	638	638	637	9	07	655	16	40	621	34	26
628	632	633	633	634	629	624	624	635	639	12	44	656	22	39	622	34	27
634	639	640	636	621	627	630	632	634	639	11	27	654	20	00	621	33	28
611	609	610	611	612	617	619	621	624	626							58	
640	640	642	644	644	645	644	646	648	649							31	

MARCH, 1907.

28500_r PLUS TABULAR QUANTITIES.

Day	1 ^h	2 ^h	3 ^h	4 ^h	5 ^h	6 ^h	7 ^h	8 ^h	9 ^h	10 ^h	11 ^h	Noon	13 ^h	14 ^h	15 ^h
1	638	639	647	644	648	648	655	669	679	673	682	658	660	647	641
2	630	637	642	642	644	645	651	654	650	650	653	651	639	635	633
3	650	650	652	653	655	658	662	666	669	664	663	664	665	665	658
4	657	663	667	673	672	683	690	689	681	678	680	676	677	666	664
5*	654	656	658	660	660	663	662	664	661	656	657	664	654	642	645
6	652	649	647	658	656	653	663	678	684	681	684	672	669	668	675
7	659	659	658	659	662	665	671	685	691	687	691	693	684	674	668
8	668	662	661	657	658	665	667	672	671	666	669	678	677	670	668
9	666	666	667	667	669	668	673	682	680	682	680	680	673	664	662
10	651	640	643	644	638	644	657	673	660	655	659	626	603	611	611
11	616	620	626	632	642	642	645	658	654	654	662	662	668	642	631
12	599	597	620	608	589	588	595	597	596	586	589	591	588	590	589
13	624	623	633	633	635	637	643	633	...	...	...	...	...	...	...
14*	639	640	640	641	642	642	643	636	622	628	639	644	649	653	655
15*	641	641	643	646	648	649	650	652	654	658	664	671	670	669	667
16*	651	650	650	649	648	647	652	652	655	663	675	684	673	669	664
17*	646	651	651	651	652	652	654	657	662	666	675	679	677	671	666
18*	654	658	658	660	662	663	667	666	653	664	677	681	678	671	663
19*	653	657	658	658	661	664	668	664	666	669	669	669	670	662	656
20*	647	645	644	655	650	655	669	672	676	669	663	648	646	634	634
21	644	645	651	657	660	661	665	670	673	692	690	694	635	606	600
22	614	615	613	614	616	620	626	631	642	647	649	656	649	636	630
23*	626	629	631	632	635	636	631	633	638	643	638	630	629	625	623
24	634	635	636	639	642	644	647	651	658	663	667	662	657	652	649
25	...	...	...	...	...	...	...	...	...	...	676	666	674	665	653
26	637	643	642	644	649	647	645	642	653	662	672	678	668	658	641
27	639	635	635	641	647	645	649	650	656	664	666	667	660	655	638
28	636	638	641	645	651	653	658	661	666	668	674	675	674	672	662
29*	651	647	647	654	659	661	659	658	665	675	678	680	676	669	660
30	655	656	658	660	659	659	656	654	658	664	672	677	674	668	662
31	...	...	...	...	...	...	...	663	664	665	670	666	660	...	...
Mean.....	643	644	646	648	649	651	655	659	660	661	665	664	658	651	646
Mean*.....	646	647	648	651	652	653	656	655	655	658	664	665	662	656	653

APRIL, 1907.

28500_r PLUS TABULAR QUANTITIES.

1	...	...	...	...	...	...	...	664	664	667	...	...	...	...	...
2*	656	656	658	661	662	663	665	663	669	673	676	679	674	672	668
3*	663	664	665	667	670	674	676	674	675	677	678	671	666	661	660
4	666	667	670	670	670	670	678	679	683	693	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	658
11	659	659	660	660	660	659	659	664	663	666	667	669	667	665	656
12	649	651	646	647	648	647	637	630	628	637	645	648	649	646	648
13	653	651	653	657	656	650	651	656	666	667	673	662	666	658	659
14	650	653	661	667	664	659	641	646	637	638	636	627	625	622	622
15	639	640	637	638	636	639	640	640	647	652	649	648	647	645	648
16	634	645	645	646	654	644	634	640	643	638	630	614	595	599	609
17*	642	636	641	639	637	639	642	644	647	647	649	646	647	648	650
18	643	647	649	650	649	651	654	656	659	657	659	661	648	637	643
19*	642	642	636	639	643	647	651	650	647	651	647	645	635	641	645
20*	645	645	648	650	651	651	554	653	651	655	663	665	664	662	661
21*	644	644	645	646	648	648	649	654	662	663	663	660	658	651	644
22*	650	651	651	654	651	650	647	647	654	657	654	651	648	646	634
23*	647	648	647	650	652	656	655	654	653	650	648	645	644	639	638
24*	647	647	649	649	647	652	647	645	651	650	654	665	668	665	656
25	653	654	656	657	657	653	647	651	661	665	668	669	658	648	649
26	643	641	642	655	649	649	643	644	647	654	660	663	664	654	648
27	652	642	656	650	648	648	651	655	664	665	653	645	644	635	626
28	642	641	642	643	646	647	648	640	639	649	638	639	647	641	638
29*	641	637	638	638	641	646	646	651	656	654	647	642	646	641	646
30	652	654	657	657	657	656	664	659	661	656	655	658	660	663	665
Mean.....	647	647	649	651	651	651	649	650	653	655	655	653	650	646	645
Mean*.....	648	647	648	649	650	653	653	654	656	658	658	657	655	653	650

* The mean hourly values given on the bottom line are derived from the "quiet days" indicated by asterisks.

MARCH, 1907.

28500_r PLUS TABULAR QUANTITIES.

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean	Maximum			Minimum			Range	Day
<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>r</i>	
649	638	617	613	596	616	623	633	630	643	10	47	685	19	50	591	94	1
632	640	645	646	646	651	647	649	648	644	8	00	654	1	00	630	24	2
654	658	660	659	657	657	658	658	664	659	8	58	669	0	00	648	21	3
666	662	653	647	650	652	654	654	652	667	7	46	690	19	22	646	44	4
653	641	640	649	654	655	653	653	651	654	7	36	665	18	12	638	27	5
670	658	649	651	649	655	659	657	656	662	9	20	687	3	00	647	40	6
663	663	666	669	666	666	662	662	663	670	11	09	694	22	22	656	38	7
666	669	670	668	667	666	668	667	664	667	12	25	683	4	00	657	26	8
660	656	647	639	632	623	624	609	614	658	9	44	687	23	14	608	79	9
606	612	606	587	598	601	624	621	625	629	7	56	675	18	44	585	90	10
629	634	654	652	629	610	581	595	597	635	13	04	672	22	01	581	91	11
589	590	604	609	613	614	615	617	621	600	0	15	630	16	43	585	45	12
...	633	630	631	635	637	638	637	637	...	4	51	647	0	00	621	26	13
645	639	635	639	635	635	634	638	639	639	14	39	668	9	00	622	46	14
660	654	649	648	647	645	647	646	647	653	11	55	671	0	28	637	34	15
649	646	646	645	644	644	644	645	646	654	12	04	685	20	11	643	42	16
656	648	646	646	646	647	649	649	651	656	11	26	683	18	12	645	38	17
659	653	650	649	649	646	644	645	650	659	12	03	684	21	57	644	40	18
650	651	650	645	635	639	641	642	640	655	12	06	670	19	53	634	36	19
635	639	638	631	634	638	638	639	641	648	9	00	676	19	00	631	45	20
576	537	510	519	536	569	581	601	611	620	11	49	697	17	10	503	194	21
621	621	624	624	622	622	622	622	624	628	11	42	658	0	15	599	59	22
621	625	632	633	635	635	638	638	634	632	10	07	643	16	25	620	23	23
639	638	635	...	...	...	...	...	...	...	10	34	668	18	24	627	41	24
650	639	630	633	636	635	636	634	636	...	...	...	...	17	45	629	...	25
634	632	634	636	636	637	644	639	638	646	11	28	678	17	06	632	46	26
633	631	631	637	638	639	640	642	635	645	11	35	669	17	20	630	39	27
657	649	652	653	653	651	651	652	651	656	13	24	678	0	50	635	43	28
651	647	651	653	654	653	652	653	654	659	11	23	680	17	00	647	33	29
655	646	647	651	...	...	...	...	...	...	12	13	677	17	24	645	32	30
...	648	651	650	...	...	...	...	...	...	...	...	...	...	...	...	...	31
642	638	637	636	635	637	638	639	640	648							50	
648	644	644	643	643	644	644	645	645	651							36	

APRIL, 1907.

28500_r PLUS TABULAR QUANTITIES.

...	...	644	648	650	652	653	653	654	1
677	662	659	663	661	660	659	660	663	665	12	00	679	18	09	646	33	2	
658	663	663	664	664	663	660	660	661	667	9	46	679	15	27	655	24	3	
...	...	...	...	...	...	...	...	...	...	10	06	694	0	18	660	34	4
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	9
656	653	650	651	650	655	656	658	655	...	...	...	...	...	...	...	...	10
639	648	649	650	646	647	647	647	647	656	11	44	671	15	06	636	35	11	
646	643	645	646	649	651	652	651	651	645	22	00	652	8	19	627	25	12	
660	662	659	651	652	653	650	658	652	657	10	55	675	21	17	648	27	13	
627	623	606	622	617	626	623	621	629	635	3	42	673	17	55	606	67	14	
648	644	646	640	638	628	626	619	633	640	10	00	652	22	28	616	36	15	
619	623	626	630	628	629	638	631	656	631	5	14	658	13	31	589	69	16	
645	639	636	634	636	635	641	631	637	641	0	00	656	23	00	631	25	17	
625	635	632	632	633	648	634	633	653	645	12	04	663	16	09	624	39	18	
646	646	647	645	645	643	649	653	644	645	0	00	653	13	00	635	18	19	
657	654	650	646	645	642	645	642	642	652	12	14	665	21	09	642	23	20	
644	643	641	638	643	644	645	647	648	649	10	26	663	19	08	637	26	21	
634	642	645	644	644	643	642	647	646	647	9	43	658	14	49	633	25	22	
631	629	633	641	639	638	642	649	646	645	7	40	657	17	18	626	31	23	
649	647	650	649	651	651	652	650	651	652	12	52	668	8	00	645	23	24	
635	626	622	625	618	620	625	633	634	645	12	00	669	20	28	617	52	25	
644	644	645	645	647	649	647	646	651	649	12	50	664	0	00	634	30	26	
618	602	611	620	621	623	626	632	645	639	9	36	667	17	00	602	65	27	
634	634	636	633	637	639	642	642	639	640	6	51	649	18	36	631	18	28	
651	646	647	647	646	648	648	649	647	646	9	20	658	2	08	636	22	29	
...	...	655	652	653	656	652	656	656	...	15	00	665	0	00	647	18	30	
642	641	640	641	641	642	643	643	646	647							33		
648	647	647	647	647	647	648	649	648	651							25		

MAY, 1907.

28500_r PLUS TABULAR QUANTITIES.

Day	1 ^h	2 ^h	3 ^h	4 ^h	5 ^h	6 ^h	7 ^h	8 ^h	9 ^h	10 ^h	11 ^h	Noon	13 ^h	14 ^h	15 ^h
1*	658	658	658	660	659	660	663	663	666	666	663	661	660	659	659
2	653	656	657	660	659	659	662	671	679	685	687	687	686	682	676
3	650	649	660	658	659	667	668	666	670	668	664	659	658	651	647
4	649	653	654	656	657	659	657	657	662	664	664	662	657	654	655
5*	658	659	659	663	661	663	661	665	666	667	669	666	666	666	664
6	668	669	669	669	665	670	666	676	675	676	669	662	659	637	632
7*	655	650	651	652	653	655	654	655	653	659	662	666	663	651	646
8*	657	656	657	657	655	663	660	664	669	670	673	674	673	666	657
9*	657	656	656	657	657	658	653	664	683	690	694	691	685	674	661
10	671	666	661	660	663	671	666	667	669	668	667	673	675	680	686
11	654	654	663	666	666	662	657	651	648	655	649	640	635	643	649
12	650	651	650	649	649	653	654	655	655	659	662	665	661	665	659
13	635	640	658	656	646	643	641	641	642	637	628	627	628	628	629
14	632	631	634	638	641	643	646	650	654	654	653	655	645	637	636
15	622	636	630	636	645	641	643	645	644	644	637	639	638	621	630
16*	640	642	643	641	643	647	652	654	651	660	659	655	641	641	641
17*	649	645	644	651	644	649	651	651	652	653	653	656	655	654	652
18	651	647	648	649	653	650	647	648	652	661	666	655	655	665	633
19	613	623	623	621	625	625	627	625	625	619	613	612	617	616	606
20	628	633	632	626	630	635	635	637	632	627	625	625	622	620	612
21	624	625	623	626	628	637	647	653	655	654	651	647	643	637	631
22	624	630	632	639	631	639	638	641	647	650	652	644	636	630	626
23*	636	647	641	643	639	641	648	646	645	651	655	653	650	645	635
24	647	646	643	651	651	639	640	640	633	631	631	633	637	639	635
25*	640	639	645	643	646	648	652	654	663	667	668	668	663	655	650
26*	655	648	647	647	649	645	642	639	655	668	669	667	661	650	636
27	644	646	645	646	646	646	639	638	644	647	650	656	657	652	646
28	655	655	658	664	661	666	666	659	660	667	683	692	685	693	676
29	641	640	656	647	652	645	637	630	625	644	647	643	634	629	621
30	636	635	635	635	636	638	639	635	635	636	631	633	636	637	636
31	659	658	667	656	659	656	657	653	645	646	653	656	656	653	652
Mean	646	647	648	649	649	651	651	651	653	656	656	656	653	649	644
Mean*	650	650	650	651	651	653	654	656	660	665	666	666	662	656	650

JUNE, 1907.

28500_r PLUS TABULAR QUANTITIES.

1	653	655	653	656	654	657	659	660	656	658	662	662	654	648	646
2*	639	640	642	639	638	643	647	650	653	658	655	649	647	646	644
3	638	640	641	643	644	642	639	641	645	645	655	659	657	657	649
4	644	643	642	648	649	648	647	651	653	662	665	662	660	655	652
5*	640	640	642	644	646	648	647	644	652	663	675	680	670	654	640
6	649	651	649	652	651	650	645	651	658	666	665	653	650	637	638
7	630	637	637	639	640	644	640	640	647	660	665	665	659	651	635
8*	645	642	642	640	639	641	641	640	641	644	643	645	645	646	644
9	649	653	656	657	658	662	666	668	674	677	683	682	680	680	670
10	643	641	631	641	633	637	645	646	649	654	667	667	667	663	650
11	634	641	633	636	638	640	640	637	638	639	644	651	655	653	636
12	654	639	643	645	641	646	645	645	651	652	649	645	633	632	628
13*	637	640	641	641	640	645	647	643	646	649	653	653	657	653	648
14*	646	650	646	645	645	652	651	644	642	645	645	643	644	645	638
15*	646	646	648	647	648	647	651	654	655	654	655	653	654	657	651
16*	652	652	652	653	648	646	647	648	649	654	657	660	661	661	655
17	648	650	649	649	650	653	650	650	651	659	664	670	669	667	660
18	672	662	658	655	665	661	662	660	662	665	672	677	674	671	661
19	642	644	647	650	659	664	659	659	685	682	675	662	652	622	594
20	593	612	603	606	612	619	624	627	623	621	619	623	630	633	630
21	629	629	630	634	632	632	633	638	644	647	647	644	641	644	645
22	637	641	636	637	640	644	629	629	637	632	625	623	624	615	617
23	630	637	637	632	632	633	633	633	634	637	632	632	630	628	618
24	617	618	624	634	628	635	632	625	622	627	638	636	641	650	651
25*	640	643	638	641	644	646	645	642	641	644	645	639	637	641	639
26*	640	642	642	642	642	643	646	646	648	657	656	654	659	663	661
27	640	644	644	661	647	642	643	646	645	639	651	659	662	665	662
28	653	651	645	646	646	645	639	640	646	650	653	661	665	654	644
29*	639	638	640	643	643	644	642	642	644	648	652	654	655	653	645
30	644	645	646	646	646	650	647	648	654	658	662	656	653	651	644
Mean	641	642	641	643	643	645	645	645	648	652	654	654	653	650	643
Mean*	642	643	643	644	643	646	646	645	647	652	654	653	653	652	646

* The mean hourly values given on the bottom line are derived from the "quiet days" indicated by asterisks.

MAY, 1907.

28500_r PLUS TABULAR QUANTITIES.

16 ^h	17 ^h	18 ^h	19 ^h	20 ^h	21 ^h	22 ^h	23 ^h	24 ^h	Mean	Maximum			Minimum			Range	Day
<i>γ</i>	<i>γ</i>	<i>γ</i>	<i>γ</i>	<i>γ</i>	<i>γ</i>	<i>γ</i>	<i>γ</i>	<i>γ</i>	<i>γ</i>	<i>h</i>	<i>m</i>	<i>γ</i>	<i>h</i>	<i>m</i>	<i>γ</i>	<i>γ</i>	
656	653	651	647	650	650	651	651	653	657	9	35	668	19	00	647	21	1
666	663	661	652	652	643	642	640	643	663	10	54	687	23	00	640	47	2
636	640	647	645	652	655	647	657	645	655	8	50	670	15	48	632	38	3
655	655	654	652	649	653	653	654	653	656	9	48	664	0	22	641	23	4
662	662	664	668	670	668	667	664	666	664	10	32	671	0	06	653	18	5
629	634	638	634	640	647	647	651	652	656	9	32	677	15	40	624	53	6
642	647	654	654	655	652	653	655	656	654	12	20	667	15	35	641	26	7
654	653	654	655	657	659	659	659	657	661	11	28	674	17	00	653	21	8
651	648	652	658	661	662	669	665	663	665	11	00	694	17	00	648	46	9
668	641	633	643	648	641	649	654	653	661	15	00	686	18	00	633	53	10
652	652	651	651	650	653	649	649	650	652	5	00	666	12	17	630	36	11
645	629	620	618	622	627	629	637	632	646	13	37	668	20	33	617	51	12
620	620	611	602	604	610	617	617	640	630	3	21	672	19	23	601	71	13
612	612	604	609	604	601	611	609	612	630	9	34	656	20	38	596	60	14
629	632	638	639	638	640	640	642	634	637	9	34	645	14	09	616	29	15
643	641	636	635	641	644	641	642	639	645	10	44	662	0	13	633	29	16
654	648	645	645	642	642	645	644	642	649	11	40	657	0	00	639	18	17
603	604	599	600	589	587	595	584	603	632	14	18	679	21	28	568	111	18
605	614	627	623	633	625	620	639	628	621	22	48	643	15	30	598	45	19
	(610)	(612)	(612)	(613)	613	614	615	619	622	8	00	637	16	00	605	32	20
633	643	649	647	645	643	638	650	627	640	8	34	655	0	00	619	36	21
625	632	637	631	637	635	636	638	639	636	10	23	654	15	24	623	31	22
638	636	640	635	641	644	641	638	640	643	11	13	656	15	00	635	21	23
633	631	632	633	639	635	632	632	636	637	4	25	653	16	42	626	27	24
635	628	626	629	638	638	642	642	644	647	11	03	668	17	44	625	43	25
631	631	636	643	644	645	645	644	643	648	10	22	669	17	18	630	39	26
(645)	643	649	647	648	650	652	656	655	648	12	47	657	7	40	636	21	27
664	664	645	642	616	634	631	645	645	659	14	00	693	20	06	610	83	28
622	621	622	622	624	624	624	628	632	634	3	19	659	17	00	621	38	29
635	636	636	640	642	644	644	650	663	638	24	00	663	11	00	631	32	30
649	649	650	656	656	656	652	653	652	654	3	26	668	14	50	645	23	31
639	638	638	638	639	639	640	642	642	646							39	
647	645	646	647	650	650	651	650	650	653							28	

JUNE, 1907.

28500_r PLUS TABULAR QUANTITIES.

638	640	643	646	643	631	634	635	637	649	11	38	663	21	00	631	32	1
637	634	633	630	634	638	636	636	636	642	10	44	660	18	39	629	31	2
643	642	638	650	653	662	659	638	637	647	11	48	660	0	07	636	24	3
644	634	632	639	637	639	640	638	639	647	10	33	667	18	00	632	35	4
637	643	646	649	647	647	650	653	652	650	11	51	680	15	33	635	45	5
632	633	632	639	632	623	636	629	623	644	10	28	667	21	32	623	44	6
632	625	630	635	635	634	638	644	640	642	11	08	667	17	08	623	44	7
636	636	639	639	643	649	651	653	652	643	23	00	653	16	27	634	19	8
657	643	641	641	643	641	648	642	657	660	11	22	683	21	00	641	42	9
641	628	624	628	628	627	627	625	627	641	12	10	668	18	00	624	44	10
635	630	635	640	639	645	643	647	639	640	13	34	657	0	21	621	36	11
622	623	630	633	637	638	643	640	639	640	1	00	654	16	51	621	33	12
639	635	638	644	643	643	645	645	641	644	12	34	658	17	00	635	23	13
641	641	642	641	642	643	644	644	643	644	6	15	655	15	00	638	17	14
646	645	647	644	643	644	645	645	648	649	14	00	657	19	48	643	14	15
651	648	647	648	648	647	647	647	646	651	12	44	664	23	25	646	18	16
653	648	648	650	649	650	651	650	662	654	12	19	670	0	00	646	24	17
652	648	650	659	665	664	666	650	637	661	11	51	678	23	49	630	48	18
589	578	559	563	602	595	589	584	593	627	10	21	698	17	56	559	139	19
613	614	614	621	620	616	628	634	629	619	22	23	640	1	00	593	47	20
639	638	642	642	642	629	641	622	637	638	10	12	648	21	29	613	35	21
598	609	627	627	629	627	635	640	637	629	5	28	653	16	03	597	56	22
611	608	609	609	610	608	607	608	613	623	3	36	640	21	51	607	33	23
639	638	637	626	616	640	639	638	640	633	14	42	653	0	00	613	40	24
632	628	629	635	637	637	639	636	642	639	6	08	648	17	00	628	20	25
652	642	632	631	626	636	630	628	636	644	13	50	664	23	07	625	39	26
655	644	628	641	643	635	632	634	646	646	13	56	665	17	52	628	37	27
642	635	630	629	625	626	626	631	640	642	13	00	665	20	00	625	40	28
638	632	630	634	635	634	638	641	641	642	13	22	657	18	00	630	27	29
641	639	637	648	650	650	645	646	653	648	11	15	662	18	58	623	39	30
636	633	632	635	637	637	638	637	639	643							38	
641	638	638	640	640	642	642	643	644	645							25	

JULY, 1907.

28500 γ PLUS TABULAR QUANTITIES.

Day	1 ^h	2 ^h	3 ^h	4 ^h	5 ^h	6 ^h	7 ^h	8 ^h	9 ^h	10 ^h	11 ^h	Noon	13 ^h	14 ^h	15 ^h
1	651	649	643	652	643	653	667	670	670	670	664	666	659	659	633
2	651	645	645	652	660	664	663	656	642	639	638	645	647	649	647
3	638	643	640	641	641	646	642	638	639	646	649	649	652	650	644
4*	641	639	638	637	640	642	644	645	648	651	648	644	641	641	642
5	641	642	643	646	649	652	650	667	672	672	675	668	663	651	638
6	626	627	629	633	643	644	647	641	646	653	652	646	644	638	630
7	640	642	652	638	639	643	643	644	651	661	666	666	654	647	640
8	635	630	630	633	634	632	625	629	641	649	652	651	649	634	634
9	634	632	635	636	632	636	635	640	649	654	652	649	643	643	634
10	639	648	638	634	633	637	630	630	638	651	670	668	674	665	654
11	625	614	614	617	616	610	598	609	602	596	590	585	587	597	607
12	613	615	616	622	619	621	624	625	625	622	610	604	598	593	595
13*	614	615	616	615	616	620	625	624	627	624	622	619	619	623	626
14	623	627	624	624	621	621	617	625	627	635	637	640	633	638	632
15*	626	627	628	630	630	633	637	639	641	649	643	639	641	638	632
16*	628	630	632	632	636	638	649	660	668	671	670	666	662	654	647
17*	625	626	626	628	632	635	638	644	647	649	656	658	655	651	641
18*	624	624	626	627	629	631	634	635	634	634	637	639	637	632	634
19*	629	630	627	627	627	631	635	637	643	649	660	670	671	661	651
20*	630	629	632	631	632	636	643	646	653	657	654	653	647	643	644
21*	633	632	633	634	637	642	643	646	650	655	652	652	645	637	638
22	638	635	639	638	637	644	651	664	661	658	652	651	643	636	625
23	621	633	626	628	626	627	630	637	637	644	644	641	644	635	634
24	630	628	627	628	632	631	637	641	645	644	641	637	633	630	628
25	657	654	602	653	650	639	652	645	654	658	670	660	635	626	617
26	625	625	624	628	627	627	623	626	632	633	631	626	622	622	624
27	628	627	625	624	631	630	642	647	653	650	641	634	613	598	601
28	608	629	601	606	608	616	610	605	605	610	614	613	619	618	606
29	610	610	619	609	608	612	615	614	613	617	611	602	596	600	601
30*	617	618	619	619	621	622	625	627	632	637	636	634	628	623	619
31	624	624	630	629	631	633	625	620	634	642	649	649	638	628	620
Mean.....	630	631	630	631	632	634	635	638	641	645	645	643	638	634	630
Mean*....	627	627	628	628	630	633	637	640	644	648	648	647	645	640	637

AUGUST, 1907.

28500 γ PLUS TABULAR QUANTITIES.

1	637	637	627	620	629	631	627	644	669	667	654	644	636	634	638
2	626	628	622	625	623	625	620	619	626	632	633	631	629	624	619
3	623	630	625	624	624	624	627	631	641	649	649	645	634	627	610
4	626	629	624	622	625	626	632	635	633	633	629	629	632	625	627
5*	618	624	623	622	622	630	637	647	649	652	645	633	618	618	625
6	623	623	624	625	623	626	622	620	630	634	634	623	618	621	628
7	619	624	626	623	623	625	629	636	643	647	645	637	632	636	631
8*	623	626	626	627	628	629	625	629	641	643	639	631	627	620	625
9	639	631	623	624	626	623	624	631	642	648	649	645	644	640	630
10*	632	627	626	627	625	625	626	635	647	649	648	643	629	617	610
11*	630	628	626	627	624	627	629	633	634	632	626	618	614	614	617
12*	624	626	625	625	624	626	625	624	635	642	645	645	638	636	637
13*	628	629	629	629	628	628	626	630	634	642	641	637	632	626	623
14	633	633	631	629	627	628	630	630	637	641	650	652	642	634	634
15*	631	631	632	632	633	635	640	642	647	655	655	651	647	645	644
16	641	643	639	638	635	636	642	640	644	647	647	646	639	630	623
17	632	628	629	629	625	629	635	639	648	649	635	620	610	610	611
18	623	622	623	625	626	627	633	638	654	667	663	652	635	619	617
19	621	622	624	623	624	623	631	639	648	654	654	651	644	639	635
20	631	628	632	634	631	629	624	628	634	642	644	637	635	635	636
21	620	616	638	618	605	613	610	607	624	624	619	607	589	581	587
22	612	617	616	620	620	619	614	614	612	627	627	632	625	615	602
23	615	625	621	623	611	606	604	607	609	614	611	619	616	605	600
24	615	616	616	619	621	619	614	615	621	620	609	610	601	580	589
25*	621	623	622	620	624	626	619	621	625	627	631	629	629	629	618
26	626	627	626	624	625	625	628	628	630	635	632	629	625	621	623
27	627	627	623	623	620	623	626	634	641	642	641	636	(632)	(629)	(625)
28*	624	626	626	628	628	628	628	635	653	664	668	667	664	654	643
29*	628	628	627	623	624	626	629	631	635	643	647	647	642	637	634
30	629	629	643	652	648	658	656	657	663	641	612	602	609	611	607
31	614	611	608	612	610	611	609	615	624	625	618	621	615	611	615
Mean.....	626	626	626	626	625	626	626	630	638	642	639	634	628	623	621
Mean*....	626	627	626	626	626	628	628	633	640	645	644	640	634	630	628

* The mean hourly values given on the bottom line are derived from the "quiet days" indicated by asterisks.

JULY, 1907.

28500 γ PLUS TABULAR QUANTITIES.

16 ^h	17 ^h	18 ^h	19 ^h	20 ^h	21 ^h	22 ^h	23 ^h	24 ^h	Mean	Maximum			Minimum			Range	Day
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h	m	γ	h	m	γ	γ	
635	631	626	624	630	631	641	653	639	648	8	18	672	19	00	624	48	1
646	637	627	632	633	643	637	642	641	645	5	49	666	18	06	627	39	2
639	633	630	635	640	640	636	639	639	641	13	17	653	18	27	628	25	3
637	630	630	633	636	639	639	640	643	640	9	30	652	17	39	630	22	4
634	633	637	639	643	645	640	634	631	649	11	10	677	23	46	626	51	5
626	625	633	636	637	648	643	635	642	638	10	33	654	15	32	622	32	6
631	625	630	637	629	630	633	632	650	643	11	55	668	20	45	621	47	7
635	634	631	631	630	630	634	638	640	636	11	00	652	7	00	625	27	8
629	630	626	631	634	636	628	646	638	638	10	14	656	16	23	625	31	9
640	579	581	588	600	606	592	598	621	630	10	30	678	22	28	573	105	10
606	602	596	599	601	606	601	626	616	605	1	08	637	1	29	567	70	11
597	604	606	604	605	608	608	610	612	611	9	19	626	13	25	592	34	12
626	622	618	618	619	620	623	616	620	620	9	13	627	0	00	612	15	13
622	619	606	610	613	624	624	625	625	625	12	06	640	17	58	606	34	14
628	626	627	625	626	626	627	627	627	632	10	20	649	19	20	625	24	15
639	637	631	623	620	616	614	621	625	640	10	00	671	22	14	614	57	16
634	626	620	626	629	625	624	620	620	635	11	56	661	22	43	619	42	17
633	632	632	634	626	628	629	630	633	631	11	27	639	0	00	620	19	18
640	627	619	619	619	626	630	636	631	637	12	32	674	19	12	614	60	19
640	639	637	635	634	634	634	634	633	640	10	13	658	2	00	629	29	20
637	634	639	643	646	646	641	641	639	641	10	24	655	2	00	632	23	21
622	623	627	633	628	632	634	625	621	638	8	02	664	15	45	621	43	22
635	628	629	619	623	625	623	620	628	631	10	39	646	19	12	618	28	23
629	631	632	635	641	646	647	649	662	637	24	00	662	15	54	627	35	24
621	614	615	617	625	627	627	626	635	639	11	00	670	18	28	608	62	25
623	618	617	611	605	611	621	622	630	623	9	43	635	20	00	605	30	26
601	594	598	597	638	624	616	605	605	622	9	00	653	18	36	584	69	27
597	598	603	607	602	610	630	610	610	610	1	21	653	20	15	595	58	28
601	605	607	610	611	612	613	616	616	610	3	06	620	13	00	596	24	29
623	625	627	626	625	626	625	622	623	625	10	27	638	0	53	616	22	30
616	607	612	620	623	625	627	626	628	628	11	17	650	17	00	607	43	31
627	622	621	622	625	627	627	628	630	632							40	
634	630	628	628	628	629	629	629	629	634							31	

AUGUST, 1907.

28500 γ PLUS TABULAR QUANTITIES.

623	611	596	616	618	636	625	613	619	631	9	06	670	17	54	595	75	1
612	607	610	618	628	623	624	627	629	623	10	48	635	16	48	604	31	2
616	622	626	629	627	622	621	622	623	628	10	36	652	15	06	608	44	3
623	618	619	619	614	613	615	621	621	625	7	41	635	21	37	611	24	4
625	618	621	624	625	624	625	624	624	628	9	44	653	13	36	615	38	5
634	634	631	625	626	626	638	626	617	626	22	00	638	13	32	614	24	6
626	618	620	623	623	625	628	625	626	629	10	12	648	17	09	617	31	7
626	625	629	629	627	629	629	627	629	629	9	34	644	13	48	620	24	8
626	620	620	623	626	629	619	620	626	630	11	20	651	18	33	613	38	9
618	622	616	621	616	616	618	620	627	627	10	46	649	14	46	609	40	10
617	615	618	622	623	623	621	623	624	624	9	00	634	13	40	612	22	11
635	630	627	629	628	625	626	627	628	630	11	39	646	8	00	624	22	12
623	626	627	629	628	628	629	631	632	630	10	09	643	15	55	622	21	13
635	632	635	632	630	631	632	628	630	634	11	38	655	23	32	627	28	14
642	636	637	635	631	632	633	634	635	639	10	49	656	0	00	630	26	15
629	630	632	626	621	627	629	627	630	635	10	31	649	19	42	616	33	16
607	612	617	619	618	620	621	626	626	625	9	47	649	15	18	604	45	17
613	619	616	621	624	623	616	614	624	629	10	12	667	15	22	608	59	18
633	635	634	632	634	646	647	635	634	636	10	32	657	2	37	620	37	19
636	605	607	619	624	621	630	606	627	628	11	00	644	17	30	600	44	20
592	598	96	604	606	608	612	611	607	608	2	45	643	14	12	579	64	21
597	589	593	601	611	611	614	614	615	613	11	36	633	17	13	588	45	22
604	591	581	575	579	596	604	611	613	606	2	15	626	18	39	568	58	23
594	600	609	610	613	622	620	619	621	611	5	18	623	13	55	578	45	24
616	616	619	622	622	624	625	626	626	623	10	57	632	16	46	612	20	25
619	616	616	614	618	620	619	621	622	624	10	15	636	19	42	614	22	26
617	614	616	621	620	623	621	620	622	626	9	25	644	17	22	613	31	27
633	626	623	626	628	627	626	626	627	637	11	18	669	0	00	622	47	28
634	633	633	632	630	630	629	627	627	632	11	37	649	4	00	623	26	29
595	592	604	608	606	610	603	606	602	623	9	10	686	16	38	583	103	30
616	617	622	623	623	623	623	622	620	617	9	50	627	0	07	600	27	31
620	617	618	620	621	623	623	622	624	626							39	
627	625	625	627	626	626	626	626	628	630							29	

SEPTEMBER, 1907.

28500_r PLUS TABULAR QUANTITIES.

Day	1 ^h	2 ^h	3 ^h	4 ^h	5 ^h	6 ^h	7 ^h	8 ^h	9 ^h	10 ^h	11 ^h	Noon	13 ^h	14 ^h	15 ^h
1*	627	626	627	624	624	626	626	628	627	627	621	617	616	613	615
2*	623	623	624	626	625	626	632	638	638	635	630	621	615	603	600
3*	626	627	627	627	630	630	635	634	634	640	640	644	638	638	635
4*	630	631	631	628	628	621	630	638	645	651	650	647	638	622	605
5	624	630	628	628	627	629	632	647	655	653	651	644	639	632	630
6	624	625	631	629	627	633	628	624	625	625	626	624	624	629	630
7*	630	631	631	625	625	627	627	620	625	637	647	648	642	637	630
8*	630	629	630	630	628	630	630	632	632	638	640	634	633	629	629
9	633	632	633	632	633	632	632	629	620	618	619	621	624	629	630
10	645	649	647	650	653	656	661	651	632	602	593	591	576	559	563
11	600	597	594	599	602	591	592	589	591	587	588	588	580	571	570
12	591	585	586	589	591	595	603	596	588	579	564	553	550	540	548
13	592	596	599	602	600	603	605	604	603	603	604	597	606	616	616
14	614	615	615	616	617	618	618	620	627	634	636	633	631	627	623
15	---	---	---	---	---	---	---	638	639	634	632	633	639	641	636
16	631	629	633	635	625	618	624	626	636	652	645	652	628	630	628
17	623	628	626	628	644	649	659	664	676	665	647	590	582	613	616
18	---	---	---	---	---	---	---	---	---	---	---	616	613	602	604
19	610	609	615	609	614	613	612	614	625	633	635	635	629	608	607
20	623	615	613	615	615	616	617	621	629	630	628	631	628	630	624
21*	609	614	614	616	616	619	628	637	642	641	645	639	636	625	608
22*	623	621	620	622	620	620	623	629	635	644	648	648	644	633	624
23*	622	622	621	623	625	626	624	619	621	624	630	636	635	629	620
24	629	629	629	630	629	630	627	616	608	614	625	628	633	636	631
25	631	631	634	637	638	636	637	632	630	633	633	630	624	612	605
26	616	615	619	625	627	626	624	613	615	615	618	634	647	642	628
27*	612	612	610	612	612	611	612	614	618	620	627	628	626	623	620
28	617	616	618	621	621	628	634	634	632	627	623	615	619	609	603
29	616	618	622	623	629	634	633	636	631	637	639	643	638	635	627
30	623	621	626	632	636	637	635	636	634	612	625	639	631	617	597
Mean.....	621	620	622	623	623	624	626	625	626	626	627	626	623	617	616
Mean *....	623	624	624	623	623	624	627	629	632	636	638	636	632	625	619

OCTOBER, 1907.

28500_r PLUS TABULAR QUANTITIES.

1	605	604	608	605	607	615	608	603	602	599	608	616	598	596	598
2	600	603	605	610	614	615	613	616	616	617	620	621	622	622	605
3	619	611	612	613	615	613	611	614	616	621	628	633	633	622	617
4*	607	611	611	611	614	613	607	601	600	606	614	624	622	614	609
5*	616	615	614	615	617	617	617	618	624	628	639	638	635	628	617
6*	617	617	619	620	620	618	618	618	627	636	638	640	635	627	618
7*	618	619	619	621	622	624	622	615	609	613	624	631	631	628	624
8	626	626	628	629	629	626	622	613	610	616	623	616	616	608	601
9	596	604	611	611	615	613	609	604	609	618	618	621	616	607	606
10	612	621	617	617	618	618	619	618	623	633	639	640	634	628	625
11	617	617	617	618	622	618	618	617	621	626	633	634	634	622	611
12*	621	622	624	625	625	626	634	640	641	641	645	643	639	633	623
13	625	624	628	644	642	651	661	635	671	669	662	640	607	588	591
14	594	599	603	610	610	610	609	613	618	593	600	597	575	561	548
15	582	588	594	602	583	580	584	592	596	590	597	597	580	594	585
16	586	588	599	596	599	597	595	588	596	599	589	596	595	594	587
17*	589	590	591	595	594	595	593	591	599	603	607	608	607	599	593
18*	594	593	594	595	596	597	598	601	604	601	595	591	591	585	580
19*	600	601	603	604	604	604	609	612	611	611	616	620	617	608	602
20*	603	604	603	607	605	608	609	611	615	614	610	608	601	598	593
21	602	603	603	606	608	609	615	617	617	616	616	612	605	592	585
22	605	606	603	605	597	595	594	616	600	583	566	569	570	554	536
23	572	576	578	583	583	582	586	592	597	599	601	600	599	583	585
24	594	596	595	595	594	593	597	602	600	607	609	605	605	599	594
25	604	604	604	605	610	608	606	605	610	609	602	596	590	583	569
26	586	589	595	594	596	601	603	602	608	604	600	600	592	582	579
27	600	594	602	609	611	615	618	614	601	578	564	556	561	562	544
28	579	581	585	588	590	593	602	606	612	614	613	614	610	604	592
29	589	595	601	610	620	608	612	612	618	614	604	600	598	585	558
30	596	589	595	595	595	594	595	600	613	619	622	616	604	588	583
31*	601	602	605	605	607	606	603	603	608	617	623	620	614	607	596
Mean.....	602	603	605	608	608	608	609	609	613	613	614	613	608	600	592
Mean *....	607	607	608	610	610	611	611	611	614	617	621	622	619	613	606

* The mean hourly values given on the bottom line are derived from the "quiet days" indicated by asterisks.

SEPTEMBER, 1907.

28500 γ PLUS TABULAR QUANTITIES.

16 ^h	17 ^h	18 ^h	19 ^h	20 ^h	21 ^h	22 ^h	23 ^h	24 ^h	Mean	Maximum			Minimum			Range	Day
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h	m	γ	h	m	γ	γ	
621	620	622	625	625	624	622	619	620	623	2	33	628	13	54	613	15	1
611	620	622	623	623	623	624	624	624	623	8	00	638	14	38	597	41	2
634	638	633	626	628	627	627	630	628	632	12	00	644	18	50	622	22	3
611	616	624	628	627	627	622	623	620	629	10	08	652	14	55	603	49	4
627	621	622	624	628	629	633	630	621	633	9	18	655	17	42	618	37	5
624	624	627	623	626	621	627	628	630	626	6	00	633	12	33	621	12	6
626	625	628	633	631	632	631	631	631	631	11	15	648	8	15	619	29	7
633	631	630	628	628	629	629	631	631	631	10	47	640	19	24	626	14	8
632	631	633	635	636	635	649	645	643	632	22	05	650	10	13	617	33	9
554	533	540	550	566	575	594	599	607	606	7	09	661	17	10	521	140	10
567	566	564	566	571	573	560	577	580	582	0	00	607	22	06	559	48	11
558	571	580	584	583	586	589	588	589	579	6	45	605	13	51	539	66	12
608	601	599	601	606	609	609	610	610	604	14	33	619	0	22	588	31	13
618	615	...	...	...	...	...	...	...	...	10	42	636	0	00	610	26	14
633	631	632	635	634	634	632	631	634	...	14	00	641	17	00	631	10	15
619	619	620	615	617	623	625	624	620	628	10	44	653	17	23	613	40	16
604	592	590	596	591	598	...	...	...	...	9	30	679	12	59	577	102	17
603	598	593	595	591	614	604	607	611	...	11	34	619	17	41	586	33	18
602	604	607	608	606	614	612	614	627	615	11	15	636	15	41	598	38	19
608	602	602	606	603	606	607	604	600	616	9	49	632	17	52	597	35	20
602	604	609	613	616	620	620	620	625	622	11	00	645	0	00	600	45	21
620	618	619	620	620	619	622	621	622	626	11	17	648	18	30	618	30	22
617	620	623	624	626	627	628	628	629	625	12	11	637	16	18	616	21	23
628	628	629	632	633	632	633	634	632	628	13	30	635	9	24	607	28	24
604	603	608	610	610	612	615	618	617	622	6	42	638	17	00	603	35	25
622	623	610	604	588	584	610	593	594	616	13	03	648	20	27	579	69	26
619	619	617	616	617	616	616	616	615	617	11	56	628	0	00	594	34	27
609	614	619	619	620	614	612	618	618	619	8	36	637	14	49	601	36	28
622	625	626	628	628	627	625	626	623	629	12	00	643	0	54	613	30	29
582	578	577	604	608	609	605	605	606	616	12	13	643	17	51	576	67	30
610	610	611	613	614	615	617	618	618	620							41	
619	621	623	624	624	624	624	624	624	626							30	

OCTOBER, 1907.

28500 γ PLUS TABULAR QUANTITIES.

601	603	609	610	606	601	628	602	599	605	21	43	635	13	38	592	43	1
599	601	610	610	610	598	608	609	607	610	11	33	625	15	40	592	33	2
610	609	611	613	613	613	611	607	610	616	12	28	635	23	36	606	29	3
610	608	611	610	613	610	612	612	613	611	12	00	624	8	48	598	26	4
610	612	612	613	615	615	615	617	616	619	11	28	641	16	00	610	31	5
616	615	618	620	621	619	620	619	619	622	11	24	640	15	54	615	25	6
621	625	626	627	626	628	626	623	626	623	12	51	631	9	12	608	23	7
604	604	581	578	571	580	594	596	598	608	4	48	629	20	30	568	61	8
603	600	606	608	610	611	611	612	609	610	11	53	622	0	57	594	28	9
621	614	603	610	617	620	618	615	612	620	12	00	640	18	00	603	37	10
609	604	614	619	620	621	618	620	620	620	11	32	636	17	00	604	32	11
615	619	623	622	621	617	617	623	621	628	10	31	645	21	24	615	30	12
566	563	572	575	572	595	572	564	579	612	8	41	675	17	11	558	117	13
535	535	526	533	543	577	567	570	587	580	8	45	621	18	36	524	97	14
562	554	572	584	587	593	583	585	586	585	3	55	603	16	39	528	75	15
586	583	585	589	590	592	588	587	590	591	9	41	601	17	00	583	18	16
589	588	591	591	592	593	594	592	593	595	12	33	611	17	30	587	24	17
583	592	599	600	600	600	600	599	600	595	9	15	605	15	00	580	25	18
597	596	598	599	598	599	599	600	604	605	11	04	621	16	53	595	26	19
587	596	597	595	599	593	589	589	599	601	10	37	616	15	55	586	30	20
594	597	599	602	607	609	602	602	600	605	8	00	617	15	13	584	33	21
541	559	569	573	568	577	578	567	576	579	8	15	619	15	23	534	85	22
590	593	593	590	589	591	591	593	592	589	13	19	604	1	06	572	32	23
592	593	594	596	599	598	598	599	604	598	10	47	610	16	32	590	20	24
573	585	585	580	583	588	587	587	585	594	9	05	614	15	27	563	51	25
583	589	594	592	594	595	595	594	599	594	9	00	608	15	29	575	33	26
540	538	545	542	556	547	563	572	576	575	6	42	622	19	41	537	85	27
586	586	588	591	588	590	587	586	588	595	11	21	616	0	00	576	40	28
567	567	584	590	590	591	596	592	604	596	4	57	621	15	17	552	69	29
585	596	598	597	598	599	602	601	598	599	10	42	623	15	20	582	41	30
595	601	604	605	605	604	605	605	603	606	11	09	623	15	39	594	29	31
589	591	594	596	597	599	599	598	600	603							43	
602	605	608	608	609	608	608	608	609	611							27	

NOVEMBER, 1907.

28500 γ PLUS TABULAR QUANTITIES.

Day	1 ^h	2 ^h	3 ^h	4 ^h	5 ^h	6 ^h	7 ^h	8 ^h	9 ^h	10 ^h	11 ^h	Noon	13 ^h	14 ^h	15 ^h
1*	606	604	606	608	609	610	610	614	619	617	613	612	612	609	605
2	617	618	613	614	620	626	629	634	638	637	(637)	(632)	(625)	(617)	(608)
3	615	603	626	614	618	611	604	600	598	595	584	571	580	578	565
4	549	557	500	572	575	578	590	599	604	610	(610)	(606)	(600)	(532)	(584)
5*	590	589	593	596	598	598	598	597	601	605	603	601	598	588	578
6	590	596	597	599	600	600	608	615	619	623	627	622	614	604	598
7	606	608	612	613	613	614	626	632	636	635	632	623	621	618	608
8	617	601	602	604	606	608	616	624	630	630	628	620	606	591	589
9	603	605	607	609	611	613	618	623	627	629	630	629	622	617	599
10	588	598	601	600	603	599	606	604	599	580	558	545	533	547	563
11	585	587	590	593	594	594	599	596	591	590	585	566	557	548	555
12	568	575	578	584	588	590	596	595	597	595	596	594	594	594	587
13	592	593	594	598	599	599	603	607	608	605	610	611	601	597	596
14	602	604	606	610	611	613	615	612	613	611	609	607	606	603	601
15*	604	606	606	611	613	612	619	614	613	609	618	618	616	609	609
16*	607	604	606	606	608	606	616	619	628	631	634	636	627	620	614
17*	599	600	600	604	605	608	617	625	628	629	627	621	614	607	598
18*	608	608	606	608	607	611	619	624	627	631	625	622	620	610	598
19*	600	600	600	601	601	606	616	621	620	622	617	608	603	599	594
20*	609	609	610	611	610	612	616	618	618	616	616	613	610	605	602
21	612	612	613	614	615	616	635	623	606	579	578	543	534	518	539
22	570	572	573	581	573	574	578	570	567	567	561	551	537	545	550
23	574	572	574	578	581	583	589	591	585	580	585	583	574	570	567
24	588	587	589	591	592	595	597	597	598	597	593	592	593	596	588
25*	596	598	599	598	599	601	604	606	602	601	597	592	593	595	597
26	605	606	609	617	622	629	624	627	627	625	625	612	603	605	608
27	604	605	610	613	617	624	631	629	622	624	619	620	614	611	612
28	607	610	610	612	616	616	622	620	616	612	608	606	605	606	603
29*	610	608	611	613	615	617	620	624	626	626	625	619	616	617	616
30	613	615	617	620	621	620	623	621	616	610	610	615	618	615	615
Mean.....	598	598	601	603	605	606	611	613	613	611	609	603	598	594	592
Mean*.....	603	603	604	606	606	608	614	616	618	619	618	614	611	606	601

DECEMBER, 1907.

28500 γ PLUS TABULAR QUANTITIES.

1*	613	615	615	618	621	624	632	639	645	652	651	646	636	629	623
2*	613	614	617	617	619	621	626	628	630	628	624	623	623	621	614
3*	615	616	617	619	622	625	630	628	626	621	623	626	629	627	624
4	620	629	631	637	632	636	647	646	641	638	638	632	631	632	632
5	618	607	602	608	605	608	618	626	626	627	623	615	613	612	617
6	605	607	609	612	612	615	628	632	632	626	621	609	611	608	611
7	620	620	616	628	626	626	627	630	631	626	646	650	641	634	626
8	595	595	596	599	601	601	615	624	623	623	620	612	606	610	608
9*	604	606	607	609	611	613	619	629	631	630	630	624	620	616	611
10	615	617	618	618	620	621	627	636	642	639	633	633	623	598	587
11	596	600	605	610	612	617	621	626	625	624	620	618	604	575	571
12	587	590	607	600	602	606	608	609	600	587	582	594	587	605	608
13	591	595	598	598	597	600	605	607	605	604	598	592	572	573	583
14*	597	596	597	604	605	607	610	609	610	612	612	610	605	598	597
15*	602	603	605	605	606	607	615	616	616	611	607	608	604	601	600
16	604	601	602	604	606	608	611	610	607	605	603	604	603	596	597
17	590	594	594	596	598	605	609	616	615	606	599	598	598	595	596
18	600	601	599	598	600	601	608	611	608	602	599	601	604	607	606
19	604	606	607	608	610	617	627	627	619	620	618	614	620	625	626
20	611	614	603	621	608	613	615	620	620	613	611	609	610	604	599
21	603	605	605	606	608	611	616	621	620	612	595	584	589	593	602
22*	605	603	602	603	606	609	617	619	612	611	608	599	600	601	602
23*	605	607	608	611	612	613	616	618	613	613	613	609	607	605	609
24*	613	614	618	619	622	623	629	633	630	619	610	609	611	617	620
25*	610	613	616	618	619	618	622	624	625	624	626	627	620	621	629
26	610	610	613	618	620	623	630	633	619	610	606	604	608	614	611
27	601	604	601	615	618	621	620	625	622	621	623	625	627	634	631
28	601	603	605	608	611	613	623	629	625	619	611	607	606	610	613
29	600	601	602	605	604	608	616	624	621	619	610	606	609	609	610
30	600	599	602	614	614	610	615	616	605	603	596	599	599	597	594
31	600	599	603	603	603	605	611	617	617	613	611	605	605	609	605
Mean.....	605	606	607	611	611	614	620	623	621	618	615	613	610	609	608
Mean*.....	608	609	610	612	614	616	622	624	624	622	620	618	616	614	613

* The mean hourly values given on the bottom line are derived from the "quiet days" indicated by asterisks.

NOVEMBER, 1907.

28500_r PLUS TABULAR QUANTITIES.

16 ^h	17 ^h	18 ^h	19 ^h	20 ^h	21 ^h	22 ^h	23 ^h	24 ^h	Mean	Maximum			Minimum			Range	Day
<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>r</i>	
605	609	610	611	619	617	612	610	613	611	9	00	619	9	00	603	16	1
(604)	619	604	600	603	609	612	619	618	619	9	27	639	18	43	595	44	2
561	545	517	517	499	505	512	521	544	570	3	00	626	20	03	499	127	3
(580)	(580)	582	586	587	586	587	586	589	585	10	00	610	0	11	541	69	4
576	567	570	574	581	582	585	587	590	589	10	00	605	17	00	567	38	5
593	594	599	601	602	603	604	605	605	605	11	00	627	0	55	588	39	6
599	595	598	594	597	604	604	603	602	612	10	10	638	16	29	588	50	7
589	589	594	595	594	595	605	603	604	606	9	26	631	16	37	584	47	8
593	594	590	587	584	585	588	589	585	606	11	36	631	20	39	583	48	9
562	569	577	582	582	577	577	578	584	580	2	24	614	13	23	530	84	10
551	545	545	548	550	554	556	563	566	572	7	23	600	18	05	544	56	11
581	583	590	588	587	587	588	593	590	588	9	09	599	0	30	566	33	12
595	598	603	600	595	591	595	598	599	599	11	57	611	0	00	590	21	13
598	593	593	598	603	608	607	606	603	606	7	14	616	17	36	591	25	14
607	610	611	615	614	609	606	605	608	611	7	19	629	0	00	603	17	15
609	608	606	604	589	591	593	595	596	611	11	27	637	20	17	588	49	16
596	601	604	605	607	610	608	607	607	609	9	54	631	15	12	596	35	17
593	589	595	594	596	599	599	599	599	608	10	10	634	17	13	588	46	18
593	596	601	604	607	608	607	608	607	606	9	54	622	15	31	593	29	19
603	608	612	612	612	611	611	611	612	611	8	33	618	15	24	601	17	20
527	519	557	555	558	560	561	563	569	575	7	18	639	15	30	496	143	21
558	556	550	561	562	568	569	570	569	564	6	25	587	12	39	529	58	22
570	575	579	583	585	584	584	584	585	580	7	36	592	14	50	566	26	23
586	586	590	593	593	594	594	595	596	592	9	00	598	16	49	584	14	24
599	600	601	603	601	601	600	600	601	599	7	57	607	12	21	590	17	25
605	607	605	604	604	604	603	611	609	612	6	04	629	0	00	601	28	26
616	615	614	612	610	606	609	605	606	614	7	18	633	1	33	598	35	27
603	604	607	598	605	604	605	606	608	609	7	26	622	19	06	597	25	28
612	613	615	615	613	612	611	611	612	616	9	13	626	1	26	607	19	29
618	620	624	623	622	620	616	613	609	617	18	00	624	24	00	609	15	30
589	590	591	592	592	593	594	595	596	599							42	
599	600	602	604	604	604	603	603	604	607							28	

DECEMBER, 1907.

28500_r PLUS TABULAR QUANTITIES.

620	622	623	623	620	618	616	613	613	626	10	35	657	0	00	609	48	1
611	611	613	613	612	609	609	610	613	617	9	00	630	21	36	608	22	2
622	(622)	(620)	621	619	619	618	616	618	622	7	12	631	0	00	613	18	3
634	626	625	629	632	632	630	620	628	633	7	15	650	23	15	616	34	4
613	612	617	610	607	603	602	605	602	612	0	25	628	21	48	601	27	5
607	603	613	617	618	617	613	619	619	615	8	33	633	16	38	600	33	6
619	621	611	599	591	579	577	591	596	618	12	20	650	22	33	568	82	7
604	603	602	604	602	601	602	603	602	606	8	43	625	0	42	592	33	8
609	610	611	610	609	609	609	610	612	615	9	00	631	0	00	602	29	9
570	563	566	554	574	574	586	591	591	604	9	31	643	19	06	553	90	10
584	592	594	601	603	601	596	587	580	603	8	20	628	14	26	569	59	11
602	594	594	600	584	573	585	593	591	595	7	55	610	20	52	570	40	12
591	598	592	589	597	595	596	596	597	595	7	47	607	13	05	570	37	13
597	596	600	604	606	605	603	603	602	604	10	06	612	16	24	595	17	14
597	597	602	603	604	601	600	602	602	605	7	20	617	16	33	595	22	15
599	595	595	596	595	588	590	595	593	600	7	34	611	21	42	584	27	16
594	591	596	602	605	604	598	600	598	600	8	35	617	1	13	590	27	17
604	601	598	595	599	599	598	602	602	602	8	00	611	18	50	594	17	18
618	615	613	605	605	601	605	602	605	613	7	38	628	22	49	600	28	19
595	597	600	600	602	602	603	602	601	607	4	09	622	16	21	594	28	20
606	604	603	601	597	602	603	602	605	604	8	46	622	12	10	583	39	21
606	606	607	605	606	606	604	604	603	606	7	50	619	12	20	597	22	22
614	618	617	617	618	617	616	614	613	613	7	57	619	0	00	603	16	23
623	626	625	624	619	614	614	607	610	619	7	51	635	23	20	607	28	24
616	617	618	616	616	617	619	615	610	619	15	00	629	23	47	609	20	25
609	609	609	609	606	600	603	604	606	612	7	55	633	21	12	597	36	26
622	621	625	615	611	609	606	605	605	617	14	27	635	1	15	600	35	27
614	609	602	597	600	598	600	600	601	609	7	50	630	20	32	592	38	28
609	607	609	610	607	606	607	607	602	609	8	12	624	1	00	600	24	29
598	601	601	599	598	596	594	597	601	602	7	41	619	15	00	594	25	30
603	602	601	600	601	601	605	604	606	605	8	18	618	19	25	597	21	31
607	606	607	605	605	603	603	604	604	610							33	
612	612	614	614	613	612	611	609	610	614							24	

JANUARY, 1908.

28500₇ PLUS TABULAR QUANTITIES.

Day	1 ^h	2 ^h	3 ^h	4 ^h	5 ^h	6 ^h	7 ^h	8 ^h	9 ^h	10 ^h	11 ^h	Noon	13 ^h	14 ^h	15 ^h
1*	601	603	603	607	610	613	622	628	626	625	626	625	614	601	604
2	603	613	612	611	612	610	616	617	615	604	597	598	592	582	579
3	608	605	605	604	607	614	618	627	623	611	604	605	603	596	600
4	599	601	602	601	604	606	612	612	603	595	591	591	585	592	597
5	593	596	601	601	602	602	610	616	616	611	609	606	587	577	585
6	578	584	584	590	593	595	603	606	606	604	601	594	591	588	588
7	593	592	595	596	599	601	605	605	597	587	586	594	595	583	578
8	551	553	564	567	571	577	586	592	587	582	577	578	588	581	581
9	549	544	550	565	570	586	592	592	592	582	561	548	575	582	575
10	576	576	576	575	578	581	586	595	593	593	586	581	573	572	579
11	584	585	586	587	590	593	600	606	609	609	611	611	597	586	589
12	586	585	587	588	593	596	596	609	608	604	605	606	590	590	593
13*	588	590	588	591	592	593	595	594	591	588	590	586	577	576	579
14*	589	588	590	599	599	602	608	617	620	618	611	602	597	596	596
15*	592	596	596	597	599	599	606	618	617	613	606	594	592	595	593
16*	590	592	598	598	601	604	611	617	620	611	611	621	619	606	600
17*	598	598	597	597	602	602	606	610	607	601	594	595	592	586	587
18*	598	595	595	596	596	597	607	617	617	617	619	612	608	600	592
19*	596	597	595	596	599	600	605	611	609	605	598	590	582	582	580
20*	600	600	601	602	602	601	609	618	616	611	619	620	621	619	614
21	603	601	603	601	610	607	614	619	615	600	596	584	579	581	586
22*	589	591	594	597	598	599	606	612	610	602	602	612	611	608	605
23	598	597	599	600	607	607	608	608	607	602	601	597	596	599	601
24	598	593	595	599	596	594	603	606	608	603	600	592	587	589	596
25	578	574	580	586	589	594	596	599	595	589	585	584	585	590	586
26	580	580	578	580	583	586	591	595	593	587	585	583	577	578	581
27	588	588	588	590	593	593	598	602	598	606	604	603	605	608	604
28	593	597	597	601	606	603	607	612	603	599	598	600	599	596	590
29	603	598	580	581	578	586	591	591	586	578	577	577	565	562	565
30	574	576	577	576	577	583	590	597	596	593	588	581	578	576	580
31	585	585	586	587	588	590	597	602	596	579	580	577	584	588	589
Mean....	589	589	590	592	595	597	603	608	606	600	597	595	592	589	589
Mean*....	594	595	596	598	600	601	608	614	613	609	608	606	601	597	595

FEBRUARY, 1908.

28500₇ PLUS TABULAR QUANTITIES.

1*	587	587	587	588	590	592	597	597	594	586	582	578	572	582	587
2	586	589	590	592	592	594	594	589	582	579	585	582	575	577	580
3	600	600	603	602	604	605	605	610	603	582	582	579	581	561	567
4	576	574	571	576	582	577	582	594	595	580	589	581	576	580	580
5	578	577	577	580	586	585	589	595	590	579	591	587	574	575	578
6	560	573	582	578	579	583	602	598	598	589	578	553	552	566	562
7	575	582	579	580	578	579	585	587	584	576	582	588	573	567	565
8*	576	572	575	578	578	581	588	591	590	585	580	573	578	577	577
9*	588	586	589	591	590	587	591	595	594	(587)	(581)	(574)	572	556	565
10	583	583	585	585	587	590	595	606	608	598	583	578	586	592	587
11	587	587	595	597	598	605	616	617	607	597	585	568	555	544	550
12	563	570	585	577	577	584	597	594	600	592	589	583	572	572	574
13	576	577	581	583	583	586	596	605	606	599	595	587	581	579	578
14*	584	585	588	591	593	595	601	607	607	596	581	571	575	569	570
15*	584	585	586	587	591	593	605	613	614	612	604	595	599	600	597
16	593	595	588	589	588	589	594	604	606	601	605	601	592	589	589
17*	582	582	586	588	590	592	598	600	596	589	583	586	594	593	590
18	589	588	591	589	588	589	592	588	582	579	580	585	590	593	591
19*	594	595	594	596	597	597	597	599	593	593	592	592	595	598	595
20*	587	588	591	593	594	593	595	600	600	599	598	598	598	603	600
21*	588	588	588	590	591	593	598	603	603	602	601	602	602	608	613
22	596	597	598	598	600	602	607	634	634	615	599	599	594	574	555
23	573	582	569	569	572	587	588	600	599	599	597	593	580	587	594
24	575	575	613	598	601	603	607	619	628	618	608	608	607	597	590
25*	578	584	584	586	586	588	597	601	605	605	598	597	599	593	589
26	575	581	583	585	587	588	596	602	602	597	600	605	606	605	597
27	577	583	587	587	589	591	597	601	605	607	604	602	574	580	585
28	587	590	587	591	592	592	598	600	601	594	586	587	587	586	586
29	592	591	591	593	594	598	602	609	619	635	629	622	598	586	579
Mean....	582	584	587	587	589	591	597	602	602	596	593	588	584	582	582
Mean*....	585	585	587	589	590	591	597	601	600	595	590	587	588	588	588

* The mean hourly values given on the bottom line are derived from the "quiet days" indicated by asterisks.

HOURLY VALUES OF HORIZONTAL INTENSITY.

61

JANUARY, 1908.

28500r PLUS TABULAR QUANTITIES.

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean	Maximum			Minimum			Range	Day
<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>r</i>	
601	602	603	602	601	594	596	600	603	609	8	32	629	21	20	592	37	1
582	583	589	592	598	598	603	604	605	601	8	09	618	15	17	576	42	2
600	597	595	600	599	599	599	599	600	605	8	12	628	13	38	593	35	3
603	600	597	593	597	599	592	590	594	598	7	43	613	13	00	585	28	4
582	580	578	578	587	585	581	584	578	594	8	31	617	17	46	575	42	5
591	597	595	599	598	594	588	589	593	594	7	42	608	0	00	578	30	6
570	576	571	567	560	552	548	545	545	581	7	54	606	22	34	542	64	7
584	588	588	589	577	563	543	530	542	572	8	13	592	22	56	529	63	8
578	567	575	577	579	574	574	574	578	572	8	25	595	0	00	542	53	9
579	573	567	570	572	578	581	580	582	579	8	12	596	18	41	562	34	10
585	578	581	584	584	585	584	584	585	591	11	45	613	16	52	574	39	11
587	586	586	584	584	590	588	588	587	592	8	13	611	19	40	581	30	12
580	586	591	595	596	592	589	587	591	589	20	00	596	13	31	575	21	13
595	596	599	595	595	593	591	592	594	599	8	55	621	2	00	588	33	14
591	590	592	595	595	595	594	589	589	598	8	30	620	23	24	587	33	15
594	593	597	599	600	600	598	597	596	603	9	09	621	0	00	589	32	16
581	576	583	587	593	593	592	591	591	594	8	00	610	17	09	576	34	17
594	588	582	589	592	594	594	594	594	599	10	27	620	17	54	581	39	18
586	592	595	596	597	598	597	600	600	596	8	00	611	14	53	579	32	19
609	603	601	601	599	601	602	602	602	607	11	33	621	19	53	599	22	20
582	586	590	587	581	583	582	581	583	594	8	15	620	13	08	577	43	21
602	601	601	602	602	600	597	598	598	602	8	24	613	0	00	583	30	22
605	606	610	610	618	612	609	605	602	604	20	00	618	12	54	595	23	23
597	593	594	592	589	587	594	591	589	595	9	08	609	13	26	582	27	24
587	587	588	590	588	582	580	580	576	586	7	53	599	1	10	572	27	25
587	588	590	589	589	586	585	586	586	585	13	44	595	13	32	576	19	26
607	604	589	551	561	575	578	578	584	591	14	07	609	19	10	547	62	27
587	589	592	594	592	590	590	589	590	596	7	20	613	22	27	583	30	28
556	556	560	563	570	573	572	574	574	576	0	45	606	16	25	552	54	29
577	567	574	581	583	584	583	582	582	581	8	24	597	17	12	566	31	30
583	582	583	582	575	578	582	582	585	585	7	35	603	20	03	575	28	31
588	587	588	588	589	588	587	586	587	593							36	
593	593	594	596	597	596	595	595	596	600							31	

FEBRUARY, 1908.

28500r PLUS TABULAR QUANTITIES.

586	584	580	581	584	583	586	584	586	586	7	28	598	12	56	570	28	1
583	586	592	595	597	596	598	598	598	589	22	00	598	13	20	574	24	2
566	537	559	569	575	574	571	579	569	583	8	00	610	17	00	537	73	3
572	(573)	(575)	(578)	580	572	555	563	570	577	8	30	598	22	06	554	44	4
564	545	558	536	539	557	566	565	558	572	8	12	596	19	32	531	65	5
551	542	542	539	554	566	568	565	568	569	8	25	603	18	23	533	70	6
564	560	559	568	565	577	573	572	571	575	12	17	592	13	20	552	40	7
568	567	575	579	582	581	582	586	586	579	7	59	591	16	36	566	25	8
566	573	573	575	578	579	579	580	580	580	8	12	595	14	00	556	39	9
585	582	588	590	582	573	578	583	584	587	8	36	609	20	51	572	37	10
555	553	578	577	575	570	579	571	566	580	7	17	618	16	40	539	79	11
569	556	558	563	569	569	574	571	575	576	7	12	601	16	43	553	48	12
576	579	583	584	584	580	581	583	583	585	8	45	606	0	28	570	36	13
578	584	586	587	590	593	591	589	585	587	8	28	607	14	17	568	39	14
594	596	599	598	598	599	601	599	599	598	9	00	614	1	36	583	31	15
579	579	583	583	581	575	573	576	580	589	8	54	606	22	15	571	35	16
593	589	588	586	583	583	584	586	590	589	7	32	601	0	00	580	21	17
589	586	583	580	584	586	592	593	593	588	13	37	593	10	00	579	14	18
589	581	576	569	571	578	581	584	585	589	8	00	599	19	12	569	30	19
593	584	581	583	584	586	587	586	587	592	13	47	605	18	00	581	24	20
614	606	600	598	597	595	594	593	593	598	15	09	618	0	00	587	31	21
559	556	556	537	544	549	568	576	575	586	9	54	646	19	15	529	117	22
594	590	585	585	581	566	548	566	576	582	10	15	600	22	00	548	52	23
575	568	570	572	568	569	571	569	573	591	8	45	639	17	20	563	76	24
590	588	587	584	584	576	569	569	571	588	9	20	606	22	12	567	39	25
591	583	584	589	592	588	586	582	581	591	12	18	606	0	00	571	35	26
587	589	590	591	591	592	589	589	588	591	10	17	609	13	14	568	41	27
585	584	588	592	592	592	592	589	588	590	9	06	601	16	31	583	18	28
562	563	555	556	553	564	586	572	564	588	10	35	638	18	24	549	89	29
579	575	577	577	578	578	579	580	580	585							45	
587	585	584	584	585	585	585	586	586	589							31	

MARCH, 1908.

28500_r PLUS TABULAR QUANTITIES.

Day	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	Noon	13h	14h	15h
1	568	574	574	572	579	587	595	608	614	617	602	597	600	598	546
2	560	556	571	573	584	571	577	594	600	591	577	570	579	578	562
3	573	570	571	569	575	576	586	593	592	587	581	579	582	579	572
4	571	573	576	577	578	579	585	581	583	578	574	564	560	546	551
5	578	582	580	581	583	581	581	590	593	601	609	614	608	604	597
6*	578	579	581	582	587	587	591	594	600	605	600	597	591	590	584
7*	585	589	586	586	587	589	594	600	605	607	607	608	606	604	601
8	584	589	593	597	600	609	606	602	616	615	596	600	603	576	577
9	578	569	592	583	580	577	581	595	588	588	584	575	572	570	566
10	591	585	581	584	584	586	592	605	609	607	610	608	597	590	584
11	583	587	584	583	588	586	590	599	593	601	603	600	589	585	585
12*	579	581	584	585	587	588	594	597	596	596	597	598	599	596	591
13*	584	584	585	586	587	587	599	611	615	619	619	618	614	609	602
14*	590	590	589	591	591	591	595	606	619	626	628	622	616	609	602
15	590	591	591	593	593	594	601	618	628	633	633	628	623	615	608
16	596	605	614	605	591	598	600	600	609	613	604	596	592	577	573
17*	578	575	574	572	575	573	579	584	592	593	593	592	586	582	569
18*	580	580	581	580	580	580	582	582	585	588	589	592	597	597	593
19	577	579	582	585	588	589	587	587	592	601	611	606	610	609	600
20	560	562	563	572	574	576	578	581	601	609	612	609	607	601	594
21	574	573	573	576	579	579	582	579	585	594	602	599	590	592	584
22*	575	576	576	580	584	583	584	584	584	587	601	606	602	592	591
23*	578	580	582	587	586	588	597	602	607	613	622	625	609	601	592
24*	585	588	586	587	590	593	602	613	617	620	615	613	605	597	589
25	566	563	563	571	575	579	586	596	602	611	613	613	610	608	607
26	589	591	593	598	597	593	590	597	601	594	595	594	601	528	452
27	481	498	494	506	519	530	532	530	535	543	519	497	503	523	516
28	497	509	517	525	526	538	523	547	553	555	552	544	525	527	531
29	525	528	536	536	543	544	547	544	542	527	537	544	547	536	536
30	565	566	555	552	557	561	561	560	548	564	573	570	568	568	563
31	556	555	559	555	553	552	553	550	557	558	559	564	562	562	551
Mean.....	570	571	573	574	577	578	582	588	592	595	594	592	588	584	577
Mean*.....	581	582	582	584	585	586	592	597	602	605	607	607	602	598	591

APRIL, 1908.

28500_r PLUS TABULAR QUANTITIES.

1	565	561	563	564	562	563	562	573	578	578	579	578	576	576	571
2	555	557	559	560	561	563	563	562	566	573	578	574	577	576	569
3*	570	567	571	571	569	569	567	567	574	575	574	576	578	573	573
4*	564	565	568	570	569	570	577	571	572	576	573	575	573	568	571
5	583	578	579	582	581	585	588	587	582	578	577	579	580	568	558
6	575	576	584	587	590	591	595	600	589	585	583	560	536	520	532
7	565	567	573	578	573	577	588	576	580	577	572	561	570	575	569
8	556	555	547	554	554	556	563	566	570	573	571	567	566	569	574
9	568	569	570	572	578	584	585	586	583	583	581	584	591	593	590
10*	581	576	576	578	577	576	579	582	587	593	594	595	598	594	589
11*	576	576	577	579	580	581	581	579	578	578	578	580	580	583	586
12*	580	580	582	580	581	588	590	591	593	593	595	596	596	595	589
13*	580	577	577	577	579	578	577	577	583	591	595	596	594	589	586
14*	582	583	588	592	592	592	589	588	590	594	599	600	605	606	602
15	574	580	579	574	581	570	574	581	587	592	570	564	544	550	530
16	540	543	548	551	550	557	550	545	545	544	545	547	552	558	563
17	558	561	567	570	564	569	559	552	548	551	548	546	543	544	546
18	561	560	565	564	566	568	570	567	565	570	570	575	577	574	577
19*	571	567	574	574	575	574	570	562	567	576	578	575	569	563	562
20*	571	573	575	575	576	577	580	581	586	590	589	587	587	586	583
21*	575	575	575	576	580	587	591	591	597	610	612	610	604	598	596
22	587	584	583	583	590	584	589	588	605	602	595	582	585	578	571
23	568	570	568	582	580	576	590	594	599	596	588	583	573	552	551
24	569	569	570	575	572	576	584	588	589	586	584	584	566	574	570
25	559	563	567	569	572	580	589	591	593	596	596	585	567	569	571
26	567	563	558	567	566	568	576	585	594	601	597	591	580	567	563
27	560	562	561	566	561	553	556	571	576	576	566	563	554	540	544
28	566	567	566	570	566	565	561	563	568	575	573	575	574	582	585
29	556	562	561	562	565	566	564	561	562	569	570	572	574	573	571
30	571	567	567	568	567	569	573	573	574	575	573	575	578	578	578
Mean.....	568	568	570	572	573	574	576	577	579	582	580	578	575	572	571
Mean*.....	575	574	576	577	578	579	580	579	583	585	589	589	588	586	584

* The mean hourly values given on the bottom line are derived from the "quiet days" indicated by asterisks.

MARCH, 1908.

28500; PLUS TABULAR QUANTITIES.

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean	Maximum			Minimum			Range	Day
<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>r</i>	
540	529	532	559	545	551	560	541	560	572	10	00	617	18	33	516	101	1
552	553	548	568	564	581	576	571	570	572	9	05	600	18	13	545	55	2
575	574	578	580	580	576	576	600	584	580	23	06	600	14	16	565	35	3
560	568	562	569	568	572	583	575	573	571	7	22	587	14	11	533	54	4
593	590	586	589	585	578	576	575	579	589	12	07	615	0	09	573	42	5
574	571	569	567	576	581	580	579	579	584	10	00	605	18	56	566	39	6
594	592	590	584	589	590	589	583	589	594	12	17	609	0	00	579	30	7
578	574	563	569	564	570	572	566	572	587	9	31	624	18	07	563	61	8
571	569	570	576	571	586	579	594	580	579	8	20	599	15	07	565	34	9
581	582	583	583	585	586	584	583	585	590	11	11	613	0	27	574	39	10
583	583	585	577	573	580	579	579	577	586	10	53	603	19	34	571	32	11
586	583	584	583	584	585	586	585	584	589	12	24	599	0	18	576	23	12
594	591	589	590	589	589	592	590	590	597	10	46	620	1	07	581	39	13
594	590	589	589	591	591	590	590	590	599	10	52	628	22	51	589	39	14
609	600	595	593	591	593	596	602	596	605	10	29	634	0	36	588	46	15
573	571	570	562	568	561	564	557	562	586	2	55	616	22	54	557	59	16
573	568	570	572	573	572	575	579	578	578	11	09	594	0	14	559	35	17
592	590	575	576	577	580	578	578	575	584	13	12	598	19	13	572	26	18
594	584	587	582	563	565	576	548	545	585	11	14	612	23	50	540	72	19
584	576	561	566	577	562	586	564	573	581	10	54	613	0	00	545	68	20
579	577	577	576	582	583	577	573	575	582	11	22	605	23	05	572	33	21
588	586	584	580	582	583	585	581	577	585	11	54	606	0	08	573	33	22
589	586	587	588	588	586	585	584	585	594	11	54	625	0	43	577	48	23
585	582	585	586	583	582	588	587	575	594	10	09	620	24	00	575	45	24
605	601	592	584	583	585	587	587	586	591	11	10	614	1	36	557	57	25
435	420	---	---	---	421	452	429	486	---	12	20	607	---	---	---	---	26
487	475	447	442	505	478	504	501	487	502	9	31	545	19	05	441	104	27
528	527	521	510	516	536	530	535	521	529	9	58	556	0	05	487	69	28
535	543	543	535	551	562	560	556	552	542	21	00	562	0	00	521	41	29
553	553	541	532	539	560	564	554	560	557	11	00	573	19	00	532	41	30
551	543	537	531	541	552	558	556	562	553	13	27	566	19	00	531	35	31
573	570	567	566	569	572	574	572	571	578							48	
587	584	582	582	583	584	585	584	582	590							36	

APRIL, 1908.

28500; PLUS TABULAR QUANTITIES.

562	549	551	551	552	551	562	563	556	564	10	40	580	17	16	547	33	1
561	560	563	564	564	566	568	571	567	566	10	48	579	1	24	554	25	2
569	566	563	560	557	568	564	562	561	568	12	38	578	20	11	557	21	3
570	572	579	580	583	584	582	579	572	573	20	54	585	0	07	561	24	4
563	571	573	574	576	578	577	574	572	577	7	43	590	14	42	557	33	5
541	543	552	566	562	564	564	558	568	568	7	37	603	13	38	515	88	6
562	544	536	565	550	541	531	561	543	564	7	12	590	22	03	531	59	7
575	571	569	570	570	570	569	566	567	565	15	49	575	0	31	538	27	8
583	568	570	574	572	570	570	567	570	578	13	40	594	23	02	567	27	9
583	578	576	576	577	576	574	574	575	582	13	00	598	0	00	570	28	10
585	583	582	580	581	581	582	578	577	580	15	00	586	0	00	575	11	11
586	582	580	580	580	580	581	580	575	586	12	00	596	24	00	575	21	12
580	576	578	579	581	581	581	582	581	582	11	30	597	0	00	575	22	13
590	584	579	581	581	582	578	578	574	589	13	51	609	23	26	571	38	14
511	506	498	513	504	513	534	548	540	551	9	46	593	17	42	491	102	15
563	562	559	560	560	565	564	563	556	554	15	48	565	1	07	540	25	16
553	554	552	549	548	564	558	554	570	555	5	50	570	13	00	543	27	17
566	566	572	575	569	574	574	571	569	569	12	34	580	1	50	559	21	18
567	566	572	574	572	570	569	569	571	570	10	54	578	8	05	562	16	19
578	575	575	574	574	575	573	574	574	579	10	25	591	0	00	571	20	20
591	590	589	590	588	586	583	584	587	590	11	00	612	0	00	574	38	21
549	544	553	558	557	557	563	565	565	576	9	42	611	16	24	538	73	22
557	547	550	558	555	567	566	557	576	571	8	51	600	17	39	546	54	23
566	567	557	556	555	565	558	558	559	571	9	03	589	19	18	554	35	24
563	561	558	563	563	568	556	550	556	571	11	03	597	22	45	547	50	25
569	565	570	565	572	568	556	564	566	572	10	00	601	22	36	555	46	26
548	543	551	563	563	565	566	566	563	560	9	36	579	14	18	538	41	27
580	573	572	570	570	570	567	569	559	570	15	06	586	6	26	558	28	28
569	564	559	553	559	561	565	567	573	565	13	14	577	19	03	553	24	29
577	570	566	565	567	572	569	583	588	573	24	00	588	19	20	564	24	30
567	563	563	566	565	568	566	568	568	571							36	
580	577	577	577	577	578	577	576	575	580							24	

MAY, 1908.

28500r PLUS TABULAR QUANTITIES.

Day	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	Noon	13h	14h	15h
1	594	589	585	583	585	588	589	586	602	613	605	588	580	570	589
2	564	562	563	565	571	577	576	578	589	591	590	584	579	567	563
3	560	559	562	566	565	568	571	575	577	572	567	559	564	563	559
4	572	564	569	567	566	570	564	567	569	567	565	565	558	562	560
5	561	564	563	565	560	567	575	581	587	589	591	587	584	582	577
6*	564	560	565	564	568	570	567	568	574	575	578	579	572	569	566
7*	565	567	567	566	568	571	572	580	580	602	602	599	594	588	580
8	570	582	572	571	564	570	575	568	572	580	584	583	577	570	564
9*	559	561	563	564	567	571	570	566	568	574	574	572	563	554	548
10	561	563	562	566	569	575	580	583	583	584	586	583	587	573	567
11	527	533	534	533	536	541	541	543	549	553	550	550	547	547	543
12	546	543	545	548	551	548	545	544	550	551	554	563	565	556	552
13*	556	562	552	551	555	556	548	539	551	561	571	573	577	567	563
14*	553	555	560	556	555	555	548	544	555	568	571	569	565	555	549
15*	558	559	560	557	555	556	554	554	554	564	554	561	564	565	559
16	562	563	563	559	557	556	552	552	567	578	580	575	571	566	560
17	584	583	584	586	571	564	563	565	576	576	585	586	583	570	565
18*	558	558	558	558	556	556	555	561	568	571	572	573	574	571	564
19*	561	563	560	557	559	566	567	567	571	570	564	559	564	552	553
20*	560	558	560	561	562	563	563	565	568	564	563	560	557	557	554
21*	563	564	569	566	567	576	576	576	576	575	566	570	570	568	533
22	556	560	559	561	559	560	562	567	572	582	583	584	578	571	563
23	535	533	543	547	552	547	552	542	550	555	553	549	546	553	549
24	548	541	534	543	541	536	528	530	542	551	555	537	552	546	538
25	551	546	541	544	545	551	537	558	557	553	556	549	537	530	523
26	509	501	510	515	517	513	511	501	485	478	478	488	499	505	500
27	516	515	539	547	539	531	530	531	530	533	533	559	559	550	551
28	549	553	558	553	552	560	561	551	539	535	542	547	549	548	531
29	544	542	535	538	534	541	535	535	546	553	554	556	548	538	541
30	557	553	543	541	544	544	542	539	540	538	537	547	548	544	541
31	550	549	546	544	547	547	543	541	539	546	549	551	551	550	556
Mean.....	555	555	556	556	556	558	557	557	561	564	565	565	563	558	555
Mean*....	560	561	561	560	561	564	562	562	566	571	572	572	569	565	560

JUNE, 1908.

28500r PLUS TABULAR QUANTITIES.

1	553	536	537	538	542	544	543	539	540	547	544	541	546	547	545
2*	548	547	548	547	548	555	556	560	562	562	568	575	577	579	570
3	554	556	556	558	563	566	569	567	563	567	567	567	565	562	554
4	553	555	550	550	551	550	550	553	552	558	556	553	545	542	540
5	538	539	539	541	542	547	552	554	555	553	549	548	542	547	546
6	543	548	548	550	557	564	557	560	542	543	543	545	548	552	553
7	544	546	546	548	547	551	555	556	555	564	564	565	563	569	564
8*	549	545	549	546	549	550	547	544	550	555	555	550	550	551	546
9*	545	549	547	546	545	550	553	553	558	562	567	564	557	551	556
10*	550	548	547	543	548	552	558	561	572	579	583	579	575	572	566
11*	549	543	549	549	546	547	550	559	563	574	571	567	563	556	553
12	553	554	556	557	555	558	558	559	561	572	577	581	577	569	564
13	557	561	562	558	553	554	559	554	566	574	591	584	573	563	557
14	552	543	545	542	545	547	543	542	537	536	539	541	547	543	546
15	552	547	546	544	544	545	539	538	542	550	547	550	551	554	547
16	547	543	542	540	537	537	539	537	539	551	564	570	573	573	570
17	557	556	551	554	558	554	551	544	549	556	569	582	585	584	572
18	550	542	545	545	548	543	544	543	540	539	543	541	548	554	547
19	536	545	548	547	551	549	547	539	543	550	554	563	553	553	551
20	549	538	540	536	540	541	534	528	526	525	530	545	546	542	538
21	533	541	542	542	541	544	541	538	536	538	539	540	538	539	538
22*	540	539	537	538	539	541	539	539	549	555	562	565	570	569	556
23*	539	538	538	538	538	540	541	545	548	554	561	559	551	552	546
24	545	544	546	547	549	551	563	578	589	590	576	575	576	562	559
25	554	555	554	554	551	551	555	563	571	582	583	583	578	571	565
26	541	539	535	542	549	551	545	543	545	537	535	532	547	543	536
27*	533	541	541	537	538	541	545	546	549	547	545	541	540	539	534
28*	541	543	541	538	540	542	545	558	574	584	585	569	564	562	554
29*	544	544	543	541	534	535	544	545	554	553	559	555	551	547	540
30	539	540	545	541	538	542	543	545	551	555	557	553	551	543	550
Mean.....	547	546	546	545	546	543	549	550	553	558	560	560	558	557	552
Mean*....	544	544	544	543	542	545	543	552	558	563	566	562	560	559	552

* The mean hourly values given on the bottom line are derived from the "quiet days" indicated by asterisks.

MAY, 1908.

28500_r PLUS TABULAR QUANTITIES.

16 ^h	17 ^h	18 ^h	19 ^h	20 ^h	21 ^h	22 ^h	23 ^h	24 ^h	Mean	Maximum			Minimum			Range	Day
<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>r</i>	
584	573	566	544	559	547	555	564	553	579	10	25	615	19	03	542	73	1
559	557	549	539	544	552	551	554	558	566	9	44	598	19	38	536	62	2
558	549	561	557	565	565	570	564	572	564	8	32	579	16	57	547	32	3
560	559	552	551	560	573	571	573	564	564	21	00	573	19	54	550	23	4
575	572	569	564	564	565	555	557	571	572	9	42	592	22	18	554	38	5
567	564	565	565	567	565	565	565	565	568	11	38	580	1	39	560	20	6
574	569	568	566	567	563	563	567	567	575	10	30	605	21	29	562	43	7
556	556	559	561	560	560	562	561	561	568	11	54	585	17	13	555	30	8
552	558	564	567	568	567	568	567	562	564	10	21	575	14	25	547	28	9
550	538	540	524	512	504	543	519	519	557	11	21	588	20	51	495	93	10
541	537	527	520	528	530	536	544	541	539	10	03	553	19	07	519	34	11
549	552	557	554	550	539	541	554	545	550	12	52	566	21	29	538	28	12
554	556	560	558	554	556	552	554	555	558	11	57	578	7	52	539	39	13
548	547	551	554	554	558	558	558	560	556	10	29	573	8	00	544	29	14
555	553	555	557	559	561	562	562	562	558	14	00	565	17	00	553	12	15
561	563	568	571	572	574	578	579	580	567	24	00	580	7	32	547	33	16
551	549	554	555	555	557	558	558	557	568	11	50	587	17	04	548	39	17
556	554	556	560	561	560	561	561	563	562	13	30	576	17	05	553	23	18
555	559	561	561	561	558	560	560	557	561	8	49	571	13	45	551	20	19
549	546	549	550	550	552	554	557	562	558	9	00	568	19	21	546	22	20
560	556	556	556	557	558	558	559	559	565	8	31	578	17	26	554	24	21
561	(551)	(547)	(548)	(538)	(532)	531	521	515	556	11	51	584	24	00	515	69	22
549	539	530	513	521	529	532	535	553	542	23	50	557	19	02	513	44	23
533	531	534	535	534	533	540	549	547	540	10	34	557	7	20	523	34	24
517	492	491	500	485	475	498	505	500	527	7	57	559	20	45	473	86	25
502	507	516	518	518	518	519	511	511	505	4	30	532	10	51	477	55	26
551	537	537	539	536	537	547	550	555	540	12	42	566	0	10	510	56	27
528	525	528	534	542	546	537	534	544	544	1	54	563	17	05	512	51	28
538	536	539	543	544	540	541	540	551	542	11	34	561	7	36	529	32	29
538	533	538	546	546	544	547	542	549	543	1	07	560	16	55	533	27	30
547	535	525	529	540	545	542	548	542	544	15	08	556	18	16	522	34	31
551	547	547	546	547	547	550	551	552	555							40	
557	556	558	559	560	560	560	561	561	562							26	

JUNE, 1908.

28500_r PLUS TABULAR QUANTITIES.

544	538	537	537	541	543	543	545	547	542	1	00	553	17	18	536	17	1
561	555	551	553	554	556	556	555	556	558	13	51	580	4	27	546	34	2
539	539	555	556	570	553	560	564	556	559	14	24	586	16	25	536	50	3
536	536	540	543	543	539	540	539	538	546	10	17	563	16	21	534	29	4
546	548	547	547	546	549	548	548	544	546	9	33	555	1	00	538	17	5
551	551	539	541	543	543	539	541	542	547	6	42	569	18	00	539	30	6
558	552	547	549	552	547	546	552	545	554	13	44	569	0	00	542	27	7
541	537	539	544	546	546	545	544	544	547	10	34	557	17	16	536	21	8
545	540	541	549	546	546	550	550	550	551	11	11	568	17	44	540	28	9
558	549	550	552	555	551	552	551	551	559	11	00	586	3	00	547	39	10
546	545	547	551	551	552	554	554	552	554	9	52	574	16	37	544	30	11
557	555	557	548	559	561	560	560	559	561	11	48	582	18	41	546	36	12
549	544	543	545	547	553	553	551	552	559	11	00	591	17	39	542	49	13
547	546	548	547	545	545	547	548	546	545	0	52	554	9	32	535	19	14
537	535	534	540	540	544	541	545	545	544	14	06	556	17	57	533	23	15
557	545	543	544	546	548	545	559	558	550	13	44	577	8	24	535	42	16
560	550	546	543	533	536	536	537	545	554	13	19	592	20	12	528	64	17
544	(537)	535	536	537	536	546	543	535	543	13	39	559	19	26	528	31	18
545	530	537	539	535	544	528	530	538	544	12	00	563	23	15	524	39	19
533	535	535	538	547	544	539	538	539	538	0	37	551	9	31	523	28	20
534	531	528	538	535	542	540	538	537	538	5	48	545	18	09	528	17	21
545	541	537	538	539	537	535	534	535	545	13	42	572	23	19	532	40	22
538	541	543	551	552	551	551	550	544	546	11	17	562	0	00	535	27	23
561	558	550	556	553	555	552	557	554	560	10	08	594	1	23	544	50	24
553	549	547	547	544	537	536	543	540	557	10	42	586	21	36	533	53	25
533	526	521	521	532	536	547	543	536	539	4	40	556	18	07	518	38	26
535	535	534	534	537	538	540	536	536	539	9	30	551	18	42	532	19	27
542	539	534	536	539	541	542	542	543	550	10	33	588	18	00	534	54	28
538	538	538	541	540	541	540	537	533	543	10	40	561	5	28	533	28	29
540	529	533	528	528	536	533	538	529	541	11	12	558	19	25	526	32	30
546	542	541	543	544	545	545	546	544	549							34	
545	542	541	545	546	546	546	545	544	549							32	

JULY, 1908.

28500_r PLUS TABULAR QUANTITIES.

Day	1 ^h	2 ^h	3 ^h	4 ^h	5 ^h	6 ^h	7 ^h	8 ^h	9 ^h	10 ^h	11 ^h	Noon	13 ^h	14 ^h	15 ^h
1	529	529	529	530	531	533	535	533	529	532	543	543	543	548	546
2*	539	543	544	542	541	543	546	545	542	543	542	547	548	547	546
3*	543	543	541	543	545	548	547	548	548	553	550	555	557	558	554
4*	548	548	547	548	548	553	555	552	551	557	563	565	567	565	559
5	545	544	541	542	543	544	552	559	561	561	555	551	556	551	549
6	541	543	543	547	549	554	557	567	575	582	577	568	563	556	538
7	535	534	532	534	535	542	546	549	548	546	543	537	536	535	530
8	539	544	540	538	541	546	546	553	557	557	556	550	544	535	527
9*	541	539	540	540	541	542	544	549	549	554	557	553	545	543	538
10*	545	545	546	547	547	549	548	549	557	563	567	567	567	562	551
11*	550	550	550	551	551	552	547	547	554	563	569	566	569	569	561
12	547	547	548	549	551	552	554	554	558	562	570	569	562	555	554
13	554	543	543	541	541	547	542	527	535	551	562	556	551	548	543
14	543	545	544	544	545	545	545	551	561	573	579	581	576	566	558
15	565	567	566	565	565	560	561	562	569	587	585	571	554	540	514
16	540	579	546	527	526	519	512	515	516	526	536	547	548	544	534
17	541	536	527	531	527	526	528	528	531	536	541	545	540	528	522
18	527	526	526	528	529	529	526	526	526	538	541	538	533	534	527
19	529	531	532	531	532	532	534	540	545	549	551	550	548	542	534
20*	535	535	536	537	539	540	543	546	548	552	552	554	552	549	543
21	536	535	538	538	540	542	538	532	537	542	539	539	550	549	543
22*	542	539	537	535	536	537	539	541	547	547	546	549	549	547	548
23	538	539	539	539	540	544	549	545	544	545	550	555	545	537	534
24	549	548	548	546	548	554	558	560	573	585	584	574	571	571	562
25	519	524	535	529	528	528	536	544	544	536	532	525	511	515	509
26	533	533	533	535	534	537	534	538	542	545	545	535	543	544	535
27*	536	537	536	539	540	540	542	547	551	556	554	556	553	548	543
28	540	540	539	538	537	537	537	531	541	546	545	548	551	546	539
29*	543	543	542	542	544	544	543	542	547	553	556	559	556	555	545
30*	546	543	543	540	541	542	538	544	553	556	551	554	559	556	555
31	545	544	545	544	544	545	541	541	544	551	558	561	572	571	561
Mean	541	542	540	540	540	542	543	544	548	553	555	554	552	549	542
Mean*....	543	542	542	542	543	545	545	546	550	555	557	558	557	555	550

AUGUST, 1908.

28500_r PLUS TABULAR QUANTITIES.

1	551	554	556	557	557	558	555	552	558	571	572	574	574	564	(553)
2	548	542	535	540	539	538	538	547	556	563	561	558	551	550	544
3	530	531	532	532	529	532	535	544	557	568	570	571	576	578	573
4*	535	533	535	532	531	529	524	525	534	550	557	553	546	538	530
5*	538	531	532	533	534	536	534	537	546	550	552	550	561	558	548
6	532	536	535	534	535	539	544	551	557	560	564	565	558	554	548
7	539	534	536	527	523	529	533	521	514	511	506	518	522	520	519
8	516	524	522	551	540	541	534	538	535	540	547	552	557	554	545
9	478	466	462	467	467	469	464	458	455	458	479	492	497	485	480
10*	509	506	503	502	501	503	504	507	516	524	525	522	522	515	508
11	517	513	513	512	513	515	515	509	521	519	521	537	533	536	519
12	517	524	517	521	522	517	517	525	534	539	560	540	540	517	496
13	519	515	513	516	504	511	504	507	510	522	524	518	522	525	523
14	525	529	519	518	513	518	515	510	508	514	520	524	526	528	525
15*	527	527	523	522	520	521	518	514	514	522	527	534	536	534	530
16*	528	529	529	528	529	530	527	525	536	544	545	543	543	541	539
17*	534	534	536	536	536	539	542	542	545	546	555	563	558	544	544
18	535	539	541	534	537	538	538	542	548	550	546	545	548	544	537
19	517	519	525	512	511	527	522	495	486	517	521	516	508	503	499
20	505	504	505	504	503	504	508	517	522	522	520	522	524	528	529
21	516	522	520	520	538	547	546	552	553	529	508	501	504	500	489
22	513	510	517	514	511	515	516	518	521	529	532	533	532	530	528
23*	527	527	526	525	523	521	517	517	521	528	527	527	529	527	524
24*	519	519	519	519	521	521	523	527	533	536	536	532	531	529	528
25	523	520	519	523	522	522	522	518	522	524	522	521	522	523	519
26	530	531	535	533	531	534	531	523	522	525	526	525	525	524	529
27*	532	531	530	529	528	527	526	529	532	536	534	535	532	529	528
28*	529	528	527	528	528	531	532	538	543	547	547	545	546	542	540
29	540	541	539	538	539	540	542	540	544	545	546	545	543	531	525
30	539	542	539	538	538	539	544	550	557	561	557	556	556	557	554
31	541	544	541	539	538	539	538	541	547	555	559	559	557	554	548
Mean	526	526	525	525	525	527	526	526	531	536	538	538	538	534	529
Mean*....	528	526	526	525	525	526	525	526	532	538	540	540	540	536	532

* The mean hourly values given on the bottom line are derived from the "quiet days" indicated by asterisks.

JULY, 1908.

28500_r PLUS TABULAR QUANTITIES.

16 ^h	17 ^h	18 ^h	19 ^h	20 ^h	21 ^h	22 ^h	23 ^h	24 ^h	Mean	Maximum			Minimum			Range	Day
<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>r</i>	
540	535	535	536	538	537	537	540	540	536	14	36	550	0	30	526	24	1
542	540	536	541	542	541	541	541	544	543	14	30	550	17	40	536	14	2
544	541	541	541	541	545	548	549	548	547	13	47	560	19	35	540	20	3
552	550	549	546	545	546	546	547	547	552	13	00	567	22	31	545	22	4
545	540	537	537	539	532	523	535	541	545	9	16	563	21	45	521	42	5
519	509	507	521	528	528	530	540	533	545	10	24	583	17	51	507	76	6
530	535	539	542	543	545	542	535	536	539	8	13	552	16	00	530	22	7
523	527	533	540	542	543	543	540	543	542	9	08	557	15	53	523	34	8
537	538	538	538	540	541	542	542	548	543	11	00	557	16	30	536	21	9
544	541	546	549	552	550	551	549	550	552	11	31	570	17	15	541	29	10
555	549	550	546	551	553	555	551	548	554	10	52	570	17	17	546	24	11
555	544	542	543	548	547	547	549	547	552	11	12	570	17	51	540	30	12
539	539	541	540	541	543	545	546	544	544	10	50	564	8	11	526	38	13
549	545	543	546	548	552	560	566	560	555	11	39	581	18	09	543	38	14
494	522	517	484	483	490	513	517	523	539	11	29	591	20	38	474	117	15
529	518	514	516	518	516	533	525	528	530	1	51	580	17	31	508	72	16
516	512	510	522	517	530	523	527	528	528	12	28	548	17	43	508	40	17
523	523	524	528	531	532	531	529	529	529	11	09	541	16	15	521	20	18
528	526	532	534	536	534	533	533	534	536	10	43	551	17	00	526	25	19
536	535	535	539	537	534	539	539	536	541	11	42	554	17	41	533	21	20
541	541	545	549	549	546	547	546	542	542	22	31	551	8	15	531	20	21
542	541	537	539	540	542	540	539	539	542	12	00	549	4	00	535	14	22
537	540	544	548	547	553	550	549	549	544	11	49	557	15	00	534	23	23
547	532	540	543	539	544	541	529	528	553	10	30	588	24	00	528	60	24
504	507	515	518	524	527	530	531	530	525	8	17	548	16	31	504	44	25
530	526	532	535	539	540	540	539	535	537	13	30	549	16	50	523	26	26
540	538	539	541	539	539	541	541	540	543	10	08	557	0	00	535	22	27
533	539	541	540	541	542	543	543	543	541	13	00	551	8	08	530	21	28
543	543	543	545	545	545	550	546	546	547	12	00	559	7	34	541	18	29
549	540	538	540	540	540	541	544	545	546	12	19	561	7	00	538	23	30
551	546	545	549	548	550	550	550	552	550	13	24	573	7	32	539	34	31
536	534	535	537	538	539	540	541	541	543							33	
544	542	542	542	543	544	545	545	545	545							21	

AUGUST, 1908.

28500_r PLUS TABULAR QUANTITIES.

543	543	549	550	543	541	541	541	543	554	10	50	577	22	00	541	36	1
540	539	539	541	544	540	535	532	532	544	10	00	563	22	35	530	33	2
573	567	541	539	538	533	527	530	532	547	13	30	593	22	37	525	68	3
526	525	526	530	529	530	530	532	530	534	10	48	558	7	24	523	35	4
537	537	537	537	534	533	532	532	533	540	13	14	562	0	00	530	32	5
539	537	529	529	535	538	535	547	541	543	11	50	566	18	27	524	42	6
516	518	520	527	529	530	528	527	527	524	2	22	543	11	12	506	37	7
515	522	529	530	538	491	477	483	466	527	13	26	560	22	24	438	122	8
482	492	491	498	501	503	502	505	502	481	23	00	505	8	33	452	53	9
500	500	507	511	513	516	516	516	513	511	10	39	530	16	17	499	31	10
513	517	519	526	528	521	513	522	518	520	12	42	538	7	52	509	29	11
502	489	495	488	486	503	507	518	515	516	11	06	568	20	14	485	83	12
512	511	505	506	511	515	527	528	520	515	22	38	531	18	45	499	32	13
521	516	519	523	524	529	522	519	524	520	2	00	529	8	28	503	26	14
524	524	527	527	527	528	530	531	528	526	12	57	537	8	37	513	24	15
537	539	539	538	537	539	537	535	535	536	11	38	546	7	43	524	22	16
540	537	537	535	532	530	528	531	530	540	12	13	564	22	36	525	39	17
532	523	522	527	544	536	509	540	502	536	9	30	551	24	00	502	49	18
499	498	498	499	501	501	500	498	503	507	3	19	531	9	00	486	45	19
527	523	522	525	524	523	522	516	518	517	15	18	532	4	19	502	30	20
489	492	494	489	486	490	492	496	508	512	7	51	553	20	00	486	67	21
528	527	530	529	528	527	525	526	526	524	11	55	534	0	00	508	26	22
522	522	522	522	525	524	523	520	519	524	12	30	529	7	30	514	15	23
528	524	529	532	527	529	528	528	531	527	10	14	537	2	45	518	19	24
517	518	520	521	521	527	528	530	530	522	0	00	531	16	22	517	14	25
527	530	532	535	534	533	533	531	532	530	2	36	535	8	30	521	14	26
530	532	533	533	532	532	532	529	529	531	10	00	536	6	38	525	11	27
541	540	539	539	537	540	540	545	540	538	10	36	548	3	16	525	23	28
524	534	535	539	540	539	538	538	539	538	10	24	547	14	39	524	23	29
554	548	549	547	544	546	540	540	540	547	9	45	561	23	37	537	24	30
545	544	545	546	546	544	545	543	541	546	11	00	559	4	52	537	22	31
525	525	525	526	527	526	524	526	524	528							36	
528	528	530	530	529	530	530	530	529	530							25	

SEPTEMBER, 1908.

28500_r PLUS TABULAR QUANTITIES.

Day	1 ^h	2 ^h	3 ^h	4 ^h	5 ^h	6 ^h	7 ^h	8 ^h	9 ^h	10 ^h	11 ^h	Noon	13 ^h	14 ^h	15 ^h
1*	542	541	541	540	539	539	536	537	538	539	540	541	541	541	542
2*	546	545	545	545	543	541	541	544	548	550	550	547	543	546	545
3*	541	543	547	547	548	547	544	544	553	559	563	561	557	554	553
4	549	550	550	549	549	547	544	544	549	557	565	554	553	552	550
5	500	502	507	510	512	514	524	516	529	523	530	524	518	507	506
6	511	512	513	513	512	515	516	520	523	531	535	531	527	526	522
7	515	518	516	517	518	519	517	517	523	525	529	534	532	522	523
8	533	534	536	536	531	527	543	546	554	560	548	553	549	544	541
9	534	532	532	532	531	530	527	524	528	534	536	535	529	528	519
10	509	506	501	502	509	506	507	500	504	507	512	514	512	507	503
11	513	513	513	517	518	518	517	514	510	509	517	524	517	519	521
12	371	359	388	403	407	406	403	403	420	427	432	435	440	443	449
13	473	473	473	474	475	476	474	473	470	470	471	471	472	475	480
14	488	489	490	492	492	491	495	495	492	491	490	488	488	490	493
15	504	503	503	504	505	504	505	510	510	511	511	510	512	510	509
16	511	510	522	508	506	505	508	510	510	505	498	493	492	492	484
17	505	505	505	507	504	503	503	505	505	507	510	511	507	506	503
18*	487	484	484	482	483	483	485	488	494	496	506	510	506	501	499
19*	487	487	488	487	490	488	494	493	494	497	499	490	483	481	478
20*	489	488	490	490	490	490	495	500	503	506	510	509	505	501	498
21*	493	491	491	492	492	492	489	485	499	511	513	512	509	487	480
22	500	500	497	495	495	496	502	510	516	521	525	523	521	519	521
23	512	509	508	508	509	508	505	502	500	507	514	519	534	536	535
24*	522	520	519	520	520	521	521	521	526	536	537	540	545	539	525
25*	519	518	521	521	523	526	523	520	527	531	532	532	527	527	531
26*	510	511	510	511	512	512	511	512	524	530	530	529	519	509	508
27	509	509	513	511	512	515	517	518	519	523	524	520	519	513	506
28	512	512	513	513	525	513	529	525	526	519	508	487	476	451	465
29	470	422	399	393	395	399	407	410	414	444	445	379	390	408	382
30	410	420	421	433	421	427	422	409	409	397	403	404	410	409	417
Mean.....	505	503	504	504	505	505	506	506	511	515	517	513	511	508	506
Mean*.....	514	513	514	514	514	514	514	514	521	526	528	527	524	519	516

OCTOBER, 1908.

28500_r PLUS TABULAR QUANTITIES.

1	484	487	484	481	483	481	475	476	493	498	492	496	499	499	500
2	470	472	473	479	476	475	474	481	483	487	489	489	492	493	495
3	494	491	487	491	491	496	497	497	496	496	496	490	491	496	495
4	470	474	481	486	492	493	494	498	497	504	505	511	506	494	482
5	482	482	494	504	517	509	510	516	523	523	522	516	500	492	471
6	466	470	473	479	478	482	481	484	494	497	498	496	505	504	502
7	512	510	513	518	521	524	525	524	521	517	517	516	508	505	505
8	519	522	522	524	524	523	519	514	514	516	511	511	512	512	507
9*	503	506	507	506	509	509	511	512	510	507	510	510	508	507	503
10*	519	519	520	520	519	520	519	514	508	501	502	508	512	510	508
11	511	513	514	515	516	515	517	518	508	502	502	506	507	511	510
12	498	499	500	503	506	506	519	525	523	512	512	504	493	473	451
13	505	510	525	526	528	531	532	534	532	524	518	509	501	495	492
14	527	527	527	525	531	531	534	534	518	516	511	505	497	493	491
15*	516	520	522	522	522	522	528	534	533	527	525	515	509	503	495
16*	523	526	529	534	534	535	540	546	538	534	534	531	526	521	518
17	523	526	527	527	532	532	533	533	547	534	534	(529)	(523)	(518)	(511)
18	522	528	528	528	534	531	533	538	531	527	522	523	515	509	494
19	511	512	511	512	507	510	513	512	505	508	513	519	521	519	517
20*	533	537	538	538	539	538	537	532	(529)	(524)	(525)	(524)	(522)	521	512
21*	516	517	520	521	520	521	527	526	526	522	520	514	510	513	514
22*	520	520	520	521	521	525	524	525	527	523	523	523	522	520	515
23*	534	530	530	533	536	539	542	541	528	521	521	520	519	516	517
24*	534	536	538	538	538	540	542	545	539	533	536	535	529	524	518
25	534	538	540	540	540	541	544	544	(539)	(533)	(533)	(530)	(526)	(524)	(521)
26	526	533	535	538	539	540	542	544	545	546	548	548	543	(535)	(525)
27	525	527	529	530	531	531	535	542	553	571	573	545	535	523	512
28*	522	522	523	523	524	525	525	528	527	520	517	522	520	520	521
29	509	509	512	513	513	515	520	525	522	515	510	507	504	497	493
30	503	506	509	513	514	515	520	526	530	524	521	517	504	507	509
31	521	519	530	531	525	519	525	520	500	499	496	491	489	475	467
Mean.....	511	513	515	517	518	519	521	522	521	518	517	515	512	509	504
Mean*.....	522	523	525	526	526	527	530	530	526	521	521	520	518	516	512

* The mean hourly values given on the bottom line are derived from the "quiet days" indicated by asterisks.

SEPTEMBER, 1908.

28500γ PLUS TABULAR QUANTITIES.

16 ^h	17 ^h	18 ^h	19 ^h	20 ^h	21 ^h	22 ^h	23 ^h	24 ^h	Mean	Maximum			Minimum			Range	Day
<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>r</i>	
542	543	544	545	547	548	547	547	545	542	21	00	548	7	00	536	12	1
543	544	544	543	545	545	543	541	540	544	9	30	551	24	00	540	11	2
550	553	551	551	551	551	549	548	549	551	11	30	563	0	00	540	23	3
545	548	547	535	518	501	516	504	504	541	11	13	566	20	54	499	67	4
499	487	495	498	507	518	510	522	513	511	9	16	531	16	41	484	47	5
520	514	511	512	514	515	518	523	516	519	10	48	536	1	00	511	25	6
524	522	527	525	527	530	532	532	535	524	24	00	535	1	00	515	20	7
538	541	539	542	542	542	542	534	535	541	9	46	562	6	00	527	35	8
509	509	506	512	506	506	518	515	515	523	11	27	537	17	15	497	40	9
500	500	506	510	514	515	516	515	513	508	22	00	516	8	20	492	24	10
513	510	519	489	428	423	397	371	382	490	11	51	528	23	..	367	161	11
456	461	468	473	473	476	476	474	473	434	21	00	476	1	35	348	128	12
481	481	483	487	486	485	485	485	488	478	24	00	488	9	00	470	18	13
495	495	496	501	503	501	501	499	503	494	24	00	503	12	00	488	15	14
511	513	514	514	506	508	510	510	511	509	18	24	515	0	00	503	12	15
488	492	496	499	500	505	507	503	500	502	3	00	522	15	08	483	39	16
(500)	492	498	503	505	506	498	492	489	503	12	00	511	24	00	489	22	17
500	493	490	489	494	488	492	493	488	492	11	42	511	4	00	482	29	18
483	495	498	499	498	503	501	497	492	492	21	00	503	15	00	478	25	19
496	492	494	500	504	506	500	494	495	498	11	27	511	2	00	488	23	20
503	507	510	513	512	508	506	503	501	500	11	00	513	14	54	479	34	21
523	522	523	523	525	524	518	517	516	514	11	00	525	5	21	491	34	22
536	536	539	541	534	533	531	528	522	521	18	24	541	9	00	500	41	23
521	521	523	525	528	527	525	523	523	526	12	54	546	15	23	518	28	24
536	532	523	524	517	514	509	509	504	523	10	54	536	24	00	504	32	25
508	504	508	510	512	515	515	515	514	514	11	27	531	16	42	504	27	26
508	502	506	507	508	512	513	516	514	513	11	00	524	17	00	502	22	27
465	498	505	508	511	515	511	514	469	503	7	00	529	14	..	448	81	28
400	346	366	377	388	349	349	374	417	397	1	00	470	21	25	339	131	29
423	...	...	...	440	469	487	482	483	...	22	00	487	10	00	397	90	30
507	505	508	509	507	506	505	503	502	507							43	
518	518	518	520	521	520	519	517	515	518							24	

OCTOBER, 1908.

28500γ PLUS TABULAR QUANTITIES.

501	494	494	490	457	464	467	471	473	485	10	00	501	20	00	457	44	1
494	488	491	494	499	499	496	499	493	487	23	00	499	1	00	470	29	2
496	496	491	480	479	486	476	474	474	490	8	00	497	24	00	474	23	3
488	489	491	491	488	485	490	487	486	491	12	00	511	1	11	470	41	4
463	466	464	470	455	458	464	471	464	489	5	22	533	19	43	453	80	5
503	505	509	506	(505)	503	506	509	518	495	24	00	518	0	00	464	54	6
502	505	501	503	509	513	509	515	519	513	7	14	527	18	18	498	29	7
506	504	501	(505)	(505)	(504)	(504)	(504)	(504)	512	5	00	524	18	00	501	23	8
508	516	518	520	524	524	524	522	521	512	22	00	524	15	00	503	21	9
501	496	495	494	495	494	497	503	508	508	0	00	521	21	00	494	27	10
502	512	509	508	505	506	495	491	489	508	8	00	518	23	42	489	29	11
445	446	434	---	503	499	511	517	511	---	8	00	525	17	45	433	92	12
483	498	502	506	514	529	527	522	523	515	7	40	535	16	00	483	52	13
493	494	495	497	505	511	511	516	517	513	7	08	536	15	26	487	49	14
492	492	497	497	503	502	503	513	518	513	8	00	534	15	25	491	43	15
513	517	518	515	516	518	519	521	522	526	8	00	546	16	50	513	33	16
508	516	525	521	519	511	512	518	518	524	9	00	547	16	00	508	39	17
485	497	502	502	506	511	509	511	511	517	7	56	540	15	46	483	57	18
519	524	529	530	535	532	534	534	536	519	24	00	536	9	00	505	31	19
510	511	512	517	517	517	517	517	517	524	5	00	539	16	00	510	29	20
512	509	510	519	520	520	521	521	520	518	7	32	528	17	00	509	19	21
519	522	519	523	526	529	531	533	534	524	24	00	534	15	00	515	19	22
521	534	537	542	543	539	540	537	539	532	19	30	545	14	00	516	29	23
513	513	516	519	518	518	518	526	529	529	8	00	545	16	26	512	33	24
(520)	523	527	528	526	525	524	527	527	531	7	00	(544)	16	00	(520)	24	25
(518)	(515)	509	508	508	516	520	526	527	531	11	00	548	19	22	503	45	26
501	498	504	511	512	513	513	518	520	527	11	00	573	16	42	494	79	27
520	523	521	516	515	515	514	512	510	520	8	24	529	24	00	510	19	28
492	502	504	507	507	507	504	503	504	508	8	08	526	16	00	492	34	29
514	522	522	522	526	527	525	525	522	518	9	00	530	1	00	503	27	30
448	453	454	471	477	(481)	(485)	(491)	493	494	5	33	532	16	00	448	84	31
502	504	506	507	507	509	508	511	511	512						40		
511	513	514	516	518	518	518	520	522	521						27		

NOVEMBER, 1908.

28500_γ PLUS TABULAR QUANTITIES.

Day	1 ^h	2 ^h	3 ^h	4 ^h	5 ^h	6 ^h	7 ^h	8 ^h	9 ^h	10 ^h	11 ^h	Noon	13 ^h	14 ^h	15 ^h
1	509	505	499	504	507	508	521	513	517	522	527	527	521	512	507
2	490	491	494	495	497	499	500	502	500	504	513	509	511	508	506
3	498	499	502	502	502	505	513	520	523	535	543	543	537	525	516
4*	513	512	512	514	514	515	519	522	521	520	519	515	509	510	510
5*	506	505	505	508	510	511	517	518	521	523	524	519	519	514	515
6*	517	518	517	518	518	518	524	530	532	534	537	534	533	533	528
7	521	521	520	521	521	523	527	529	532	541	537	533	527	525	519
8	455	455	455	467	472	469	470	482	479	468	466	448	432	440	438
9	466	470	466	465	467	471	472	477	471	477	480	472	478	478	475
10	474	475	474	474	471	468	480	480	486	493	484	484	479	480	483
11	479	479	485	489	486	483	492	498	503	503	503	503	503	500	497
12	497	494	494	494	494	497	497	503	504	504	504	504	497	493	491
13*	496	496	496	496	497	498	502	502	504	505	508	502	497	495	498
14*	489	489	489	490	491	493	506	514	515	521	525	520	514	513	513
15	492	492	493	497	498	504	505	511	513	513	518	518	518	512	511
16	513	512	511	512	513	514	518	519	521	526	528	528	522	520	520
17	515	521	508	510	516	518	516	523	520	...	...	451	442	447	455
18	460	462	465	469	473	476	478	484	493	498	502	502	498	489	483
19	485	485	485	485	489	492	498	499	...	...	...	...	...	...	...
20	487	489	490	496	496	500	511	518	517	519	518	510	506	508	512
21*	505	505	504	505	504	503	511	520	522	526	526	520	518	514	514
22*	512	512	512	512	513	514	521	528	531	532	532	531	526	524	518
23*	517	516	517	517	516	518	524	525	525	525	526	526	521	521	515
24*	515	514	513	511	511	514	520	527	527	526	525	518	518	516	513
25*	500	501	503	506	507	509	514	519	519	524	527	526	520	516	513
26	506	510	506	506	507	507	514	513	513	515	514	513	507	509	511
27	509	511	514	515	519	519	523	524	523	525	528	524	521	520	524
28	513	513	516	518	522	524	529	532	526	520	517	517	511	510	507
29	504	507	507	509	510	510	514	514	508	508	507	506	501	501	506
30	492	492	497	499	500	503	508	506	504	501	501	500	507	509	510
Mean.....	498	498	498	500	501	503	508	512	512	515	516	513	509	507	505
Mean*.....	507	507	507	508	508	509	516	520	522	524	525	521	518	516	514

DECEMBER, 1908.

28500_γ PLUS TABULAR QUANTITIES.

1	503	504	504	507	509	509	511	511	511	509	506	502	498	494	496
2*	503	501	501	500	504	505	506	511	511	506	499	496	494	494	495
3*	497	497	499	500	503	504	513	518	519	518	518	517	512	510	511
4	505	505	505	507	515	518	524	529	537	530	523	523	517	509	512
5	453	458	465	479	480	488	498	502	503	495	485	482	475	(480)	484
6	484	482	479	483	483	485	496	496	492	488	488	487	476	468	461
7	484	484	487	487	489	495	501	512	512	512	505	504	494	491	490
8	501	502	503	503	503	505	513	517	517	513	504	499	485	489	493
9*	503	503	504	503	504	504	510	513	511	510	506	502	495	493	499
10*	505	507	506	507	507	510	520	520	515	516	516	515	517	517	514
11*	506	506	506	507	507	509	513	517	521	520	518	512	510	505	504
12	506	508	509	511	516	517	518	523	523	532	538	533	531	526	522
13	522	521	517	516	513	510	512	522	518	521	520	511	504	503	503
14	501	501	502	502	502	504	505	504	496	492	496	493	496	506	511
15*	506	505	509	511	512	513	514	511	502	494	493	493	499	500	503
16	502	497	499	502	502	504	508	509	503	504	503	510	510	505	509
17	510	511	511	511	513	513	519	525	524	517	517	517	518	517	508
18	505	506	508	511	511	513	519	525	528	527	529	523	519	520	519
19	498	498	498	500	502	504	507	509	508	511	511	505	500	502	504
20*	505	506	507	509	511	510	515	519	518	513	510	501	497	498	505
21*	511	510	510	510	511	516	520	521	521	521	521	514	509	509	508
22*	513	513	516	518	518	521	526	531	530	530	525	523	519	516	511
23	513	513	515	517	515	521	527	528	527	528	525	520	520	514	512
24	505	506	507	508	507	507	511	510	509	514	515	508	508	502	504
25	510	510	510	511	511	510	513	513	517	520	518	521	521	523	525
26	513	519	524	522	524	527	528	529	528	520	511	504	505	497	491
27	499	500	500	502	502	504	509	510	510	510	510	506	502	500	502
28*	504	506	510	510	510	510	510	510	506	504	505	506	505	496	498
29	499	499	499	499	499	498	499	500	506	509	506	506	505	504	506
30	505	505	506	506	506	506	505	503	499	498	498	498	497	498	500
31	509	509	511	514	515	514	515	515	515	513	515	519	518	516	519
Mean.....	503	503	504	506	507	508	512	515	514	513	511	508	505	503	504
Mean*....	505	505	507	508	509	510	515	517	515	513	511	508	506	504	505

* The mean hourly values given on the bottom line are derived from the "quiet days" indicated by asterisks.

NOVEMBER, 1908.

28500 γ PLUS TABULAR QUANTITIES.

16 ^h	17 ^h	18 ^h	19 ^h	20 ^h	21 ^h	22 ^h	23 ^h	24 ^h	Mean	Maximum		Minimum		Range	Day
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h	m	h	m	γ	
500	489	497	498	499	494	492	493	493	506	11	29	530	17	00	1
505	499	499	503	503	504	502	500	498	501	11	00	513	1	00	2
508	504	508	509	511	512	513	511	512	515	11	24	545	1	00	3
511	508	510	511	511	510	508	506	505	513	8	00	522	24	00	4
515	512	515	517	521	520	521	519	518	516	11	00	524	3	00	5
523	511	514	517	521	521	520	520	519	523	11	00	537	17	00	6
514	516	516	516	515	503	497	461	445	516	10	21	542	24	00	7
423	441	447	463	468	472	480	464	470	459	8	27	491	15	52	8
474	461	458	461	474	476	474	468	475	471	10	30	482	17	38	9
487	487	484	485	477	475	477	477	477	480	10	18	495	6	00	10
497	494	494	497	501	497	497	497	497	495	12	43	505	0	00	11
495	493	495	496	498	498	496	496	492	497	10	46	509	15	00	12
499	498	503	504	504	496	492	489	489	499	11	00	508	23	00	13
506	508	508	501	492	486	485	485	492	502	11	00	525	22	00	14
506	507	510	512	513	511	513	513	513	508	12	00	518	2	00	15
523	525	529	529	522	528	522	500	514	520	20	42	533	23	00	16
454	442	441	438	434	441	448	453	455	...	8	30	530	19	36	17
483	484	487	490	489	486	482	492	484	484	12	00	502	0	00	18
466	470	473	477	484	485	484	485	488	...	...	...	...	16	00	19
505	508	508	508	511	510	505	505	506	506	10	00	519	1	00	20
513	513	514	514	518	515	515	514	513	514	10	00	526	6	00	21
517	513	514	514	514	515	514	514	514	519	11	00	532	1	00	22
515	515	516	516	516	515	515	516	516	519	12	00	526	0	00	23
512	506	499	499	505	505	503	500	500	512	9	16	529	19	00	24
510	507	507	506	505	504	500	506	506	511	11	00	527	22	00	25
514	516	516	515	515	513	511	511	510	511	17	00	516	0	00	26
526	524	522	520	513	508	503	505	514	518	11	00	528	22	30	27
510	516	511	510	506	502	502	501	500	514	8	00	532	24	00	28
510	510	510	507	495	490	486	489	491	504	7	26	515	22	00	29
511	511	511	513	514	509	508	506	504	505	20	00	514	0	00	30
504	503	504	505	505	503	501	498	499	505						33
512	509	510	510	511	509	507	507	507	513						23

DECEMBER, 1908.

28500 γ PLUS TABULAR QUANTITIES.

500	506	507	(506)	(506)	505	505	505	503	505	8	00	511	14	00	494	17	1
496	501	501	498	500	500	496	498	501	501	8	00	511	14	22	493	18	2
511	511	511	(509)	(507)	506	505	504	504	508	9	00	519	1	00	497	22	3
506	510	484	455	440	436	462	455	452	498	9	00	537	19	40	432	105	4
461	444	469	475	477	480	484	481	480	478	9	00	503	17	00	444	59	5
463	470	475	482	484	485	484	484	484	482	8	00	496	15	00	461	35	6
485	487	489	491	491	495	497	500	500	495	9	00	512	2	00	484	28	7
499	498	496	495	496	499	498	500	502	501	8	00	517	13	00	485	32	8
504	504	500	503	504	503	501	503	505	504	8	00	513	13	30	491	22	9
508	507	505	504	506	507	506	506	506	510	8	00	520	19	00	504	16	10
505	508	509	508	508	508	506	505	504	509	9	00	521	24	00	504	17	11
518	515	514	512	513	517	517	521	522	519	11	00	538	0	00	504	34	12
503	503	505	504	503	500	497	496	500	509	0	00	522	23	00	496	26	13
515	516	515	512	511	510	507	506	505	504	17	00	516	10	00	492	24	14
508	509	508	507	507	504	502	497	504	505	7	00	514	12	00	493	21	15
509	510	510	508	509	509	506	509	509	506	12	00	510	2	00	497	13	16
509	511	511	510	510	505	504	503	504	512	8	00	525	23	00	503	22	17
516	511	513	513	513	505	499	491	495	513	11	00	529	23	22	489	40	18
506	507	506	506	507	507	506	506	506	505	10	33	512	0	00	495	17	19
508	509	509	509	509	509	511	511	510	509	8	00	519	13	00	497	22	20
508	510	515	516	516	517	517	516	516	514	10	00	521	16	00	508	13	21
509	506	505	510	511	512	513	514	513	517	8	00	531	18	00	505	26	22
509	509	509	506	504	507	506	504	504	515	7	54	530	24	00	504	26	23
508	505	505	507	504	504	505	507	510	507	10	46	516	14	00	502	14	24
525	525	524	519	518	521	518	513	512	517	14	24	525	2	00	510	15	25
490	491	490	489	489	492	496	495	498	507	8	44	533	19	26	487	46	26
504	502	502	504	504	506	504	504	504	504	10	22	510	0	00	498	12	27
502	503	500	497	496	497	497	497	497	503	6	32	511	14	00	496	15	28
506	506	506	506	506	505	504	503	504	503	10	44	509	0	00	497	12	29
502	505	508	508	509	508	508	507	510	504	23	09	511	10	45	495	16	30
520	521	521	518	514	510	510	505	505	514	11	37	521	23	00	505	16	31
504	504	504	503	502	502	502	501	502	506							26	
506	507	506	506	506	506	505	505	506	508							19	

JANUARY, 1907.

33500_r PLUS TABULAR QUANTITIES.

Day	1 ^h	2 ^h	3 ^h	4 ^h	5 ^h	6 ^h	7 ^h	8 ^h	9 ^h	10 ^h	11 ^h	Noon	13 ^h	14 ^h	15 ^h
1	560	559	559	560	562	562	563	560	553	548	546	544	543	544	548
2	557	556	558	560	560	559	562	559	552	549	546	547	546	545	550
3*	558	557	557	558	557	556	559	557	550	545	539	536	530	534	547
4	560	559	558	559	558	559	559	560	559	553	547	545	542	552	557
5	564	563	563	561	561	565	566	561	555	541	543	545	539	543	550
6*	562	561	561	559	557	558	557	554	550	548	544	541	544	544	551
7	559	558	558	557	556	555	559	556	545	545	545	541	540	539	542
8	567	564	562	556	555	553	553	549	542	536	533	536	544	542	542
9*	564	564	562	560	559	555	555	552	546	537	530	536	545	545	552
10	561	561	559	560	558	554	552	548	535	527	523	529	542	545	555
11	551	557	558	559	557	556	552	533	535	529	539	539	524	544	544
12	557	555	556	557	554	557	554	548	538	535	537	543	548	553	556
13*	557	559	561	561	562	560	560	554	546	541	547	552	555	553	555
14	559	560	561	563	563	566	567	560	548	538	534	539	540	551	556
15	561	560	555	571	551	551	559	557	543	539	541	550	555	556	557
16	559	553	561	556	555	555	557	546	537	532	539	548	551	551	553
17*	560	559	559	559	556	557	557	554	551	546	547	551	548	547	545
18*	556	555	554	553	553	552	552	550	545	540	541	550	550	549	548
19*	556	555	553	552	551	548	549	547	544	543	550	557	554	552	553
20*	554	554	553	554	553	550	550	546	538	534	537	539	541	541	545
21*	557	558	556	553	552	550	545	542	537	533	535	539	532	534	543
22	557	557	556	556	550	548	548	544	536	531	531	543	547	546	547
23	560	560	562	557	556	553	550	544	541	536	533	542	546	551	558
24	557	558	558	559	555	555	552	541	540	528	524	526	534	541	548
25*	557	556	558	559	555	560	555	549	538	533	533	533	539	543	547
26	554	555	555	556	554	551	551	547	538	532	535	535	541	544	551
27	552	554	553	554	555	556	558	557	554	549	545	539	539	541	547
28	555	561	557	557	556	556	560	550	543	532	528	537	542	547	549
29	548	548	548	550	551	550	550	547	538	533	530	526	530	542	545
30	551	550	551	554	554	554	558	549	544	538	542	539	537	543	553
31	555	554	552	554	554	554	557	552	546	541	538	538	540	541	544
Mean.....	558	557	557	558	556	555	556	551	544	538	538	541	542	545	550
Mean*.....	558	558	557	557	556	555	554	550	544	540	540	543	544	544	549

FEBRUARY, 1907.

33500_r PLUS TABULAR QUANTITIES.

1*	549	549	548	550	550	552	553	549	541	536	533	532	533	542	551
2*	554	555	555	555	555	556	556	553	547	541	542	543	543	544	547
3*	556	555	555	554	555	554	556	548	541	538	538	541	542	543	549
4*	558	557	554	554	552	553	553	550	545	537	535	538	539	542	544
5*	555	555	555	553	551	549	549	544	542	539	534	533	539	543	544
6	557	558	555	554	550	550	550	546	541	534	533	530	535	537	536
7	552	555	550	552	548	544	538	533	550	548	548	549	555	550	560
8	571	574	573	572	571	561	562	558	547	547	547	546	535	542	559
9	563	559	568	559	563	562	562	557	554	540	515	515	535	548	558
10	594	593	591	591	588	584	579	573	568	561	559	556	560	558	564
11	571	574	574	574	575	575	575	571	558	557	554	554	560	561	583
12	570	571	570	571	573	571	573	567	554	553	553	548	548	554	562
13	565	565	566	567	570	569	573	571	557	551	549	549	551	552	559
14	561	577	552	558	564	561	557	542	556	549	543	538	539	544	557
15	569	566	568	569	571	576	571	568	559	556	552	553	554	555	559
16	566	567	569	571	572	571	576	574	562	557	555	552	553	560	566
17*	570	570	568	567	570	568	570	570	565	560	558	554	556	559	561
18*	568	566	564	563	564	564	568	567	558	553	553	554	554	559	563
19	571	570	570	566	568	566	569	567	563	559	556	555	549	556	562
20	570	577	579	577	576	576	571	569	558	556	548	551	555	556	551
21	565	570	570	571	569	567	567	564	556	549	548	551	552	555	555
22	570	568	568	569	569	567	571	562	558	556	550	558	564	565	560
23	573	573	573	572	572	571	570	563	557	555	555	561	568	571	577
24	578	570	571	578	571	576	572	553	561	551	547	549	554	564	567
25	572	572	572	575	574	571	571	566	565	560	560	557	558	558	556
26*	567	570	572	574	573	572	577	568	561	553	551	556	555	561	569
27*	570	572	573	573	573	575	572	565	556	551	546	551	554	553	560
28*	568	570	571	574	577	577	576	569	563	557	552	551	552	552	558
Mean.....	566	567	566	567	567	566	566	560	555	550	547	547	550	553	558
Mean*.....	562	562	562	562	562	562	563	558	552	546	544	545	547	550	555

* The mean hourly values given on the bottom line are derived from the "quiet days" indicated by asterisks.

JANUARY, 1907.

33500_r PLUS TABULAR QUANTITIES.

16 ^h	17 ^h	18 ^h	19 ^h	20 ^h	21 ^h	22 ^h	23 ^h	24 ^h	Mean	Maximum			Minimum			Range	Day
<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>r</i>	
554	558	561	559	556	555	556	557	555	555	7	12	565	12	44	540	25	1
556	556	557	559	560	560	560	559	558	555	7	24	563	13	55	545	18	2
554	556	558	560	559	558	562	562	562	553	22	29	563	12	57	530	33	3
560	562	561	561	559	560	558	559	562	557	17	00	562	12	32	541	21	4
550	554	558	561	563	562	562	562	564	556	7	19	566	10	22	536	30	5
556	557	556	555	556	556	560	559	559	554	0	26	571	12	00	541	30	6
546	547	553	546	553	557	555	553	559	551	7	00	559	13	40	535	24	7
547	530	539	546	554	559	562	563	565	550	1	00	567	16	38	523	44	8
557	560	556	554	554	555	558	562	561	553	0	00	565	11	10	527	38	9
559	557	555	552	552	550	550	551	550	549	15	28	562	11	26	521	41	10
549	553	555	555	554	551	551	550	550	548	4	33	575	12	48	513	62	11
562	566	563	565	562	562	561	561	559	555	16	44	566	10	20	531	35	12
563	566	568	567	565	561	561	558	557	558	18	53	570	10	10	539	31	13
551	542	566	574	578	569	563	555	559	557	19	30	581	16	25	527	54	14
557	559	558	568	568	566	562	557	556	557	4	08	582	5	28	539	43	15
553	555	561	561	562	560	561	564	561	554	23	00	564	10	00	532	32	16
546	555	556	557	559	561	559	558	556	554	0	40	562	15	46	545	17	17
550	550	554	555	556	557	559	560	558	552	23	00	560	10	12	540	20	18
554	555	556	553	551	549	557	555	554	552	11	43	558	10	00	543	15	19
547	547	552	554	554	553	556	556	557	549	3	26	558	10	00	534	24	20
552	552	553	553	553	552	554	558	558	548	24	00	558	13	22	530	28	21
551	554	553	551	545	545	549	554	562	548	24	00	562	10	27	527	35	22
564	561	557	555	555	554	555	556	558	553	16	00	564	10	37	532	32	23
557	557	556	556	555	554	554	554	556	549	4	00	559	11	12	522	37	24
549	554	553	553	553	552	551	552	553	549	6	16	562	9	33	529	33	25
549	555	557	555	555	555	553	552	552	549	18	00	557	9	58	531	26	26
556	558	556	557	555	557	554	559	556	553	7	09	560	13	48	537	23	27
549	552	557	557	558	556	552	550	550	550	7	10	560	10	40	524	36	28
555	556	553	549	553	554	556	552	552	546	17	00	556	12	22	525	31	29
557	557	557	557	560	551	556	556	555	551	20	00	560	12	44	534	26	30
544	549	551	552	553	553	553	549	554	549	6	52	557	12	28	535	22	31
553	555	556	557	557	556	557	557	557	552							31	
553	555	556	556	556	555	558	558	558	552							27	

FEBRUARY, 1907.

33500_r PLUS TABULAR QUANTITIES.

556	558	561	559	559	559	558	556	555	550	18	00	561	11	21	529	32	1
551	555	556	557	558	558	555	557	556	552	20	00	558	10	21	537	21	2
550	550	552	554	556	559	559	560	559	551	22	30	562	10	33	536	26	3
546	549	547	551	552	553	557	556	556	549	0	00	559	10	41	533	26	4
548	550	550	552	553	556	555	558	556	548	23	00	558	11	44	531	27	5
540	546	547	548	548	546	545	545	549	545	1	46	559	12	00	530	29	6
560	562	554	551	554	555	550	570	565	552	23	00	570	7	46	531	39	7
558	564	564	564	559	558	559	564	565	559	21	10	582	12	48	533	49	8
562	571	548	555	562	603	604	609	604	562	22	18	619	11	52	511	108	9
567	572	572	568	574	572	572	570	568	573	0	00	604	13	38	553	51	10
569	565	554	575	572	564	567	564	571	567	15	08	584	18	00	554	30	11
565	563	571	571	572	570	568	565	565	564	6	58	575	12	42	546	29	12
572	562	567	569	569	569	566	566	561	563	7	15	574	10	32	547	27	13
571	572	569	570	569	574	577	574	568	560	2	00	577	11	22	533	44	14
560	570	570	570	569	568	569	568	569	565	6	09	576	13	16	549	27	15
570	568	571	571	574	574	574	574	572	567	7	32	580	12	28	551	29	16
559	561	562	569	572	572	572	572	572	566	23	00	572	12	00	554	18	17
561	562	563	565	568	569	570	572	571	563	23	00	572	12	26	553	19	18
563	569	568	567	567	568	568	569	569	565	7	13	571	13	00	549	22	19
559	561	564	564	563	563	560	563	566	564	2	26	581	11	00	548	33	20
559	563	563	563	567	566	567	566	566	562	4	38	572	11	31	547	25	21
566	569	568	571	571	572	573	573	573	566	4	24	578	11	16	546	32	22
575	571	574	572	566	570	568	566	565	568	14	36	578	11	00	555	23	23
567	575	577	576	575	575	572	569	568	567	3	20	579	11	00	547	32	24
569	570	575	574	574	573	574	570	574	568	4	22	578	14	54	554	24	25
569	577	578	578	576	574	572	571	571	569	18	00	578	10	36	551	27	26
565	572	573	575	574	571	566	566	570	566	6	00	575	11	00	546	29	27
566	572	572	572	567	567	570	567	568	566	6	00	577	11	24	548	29	28
562	564	564	565	566	567	567	567	567	561							32	
557	561	561	563	564	564	563	564	563	558							25	

MARCH, 1907.

33500 γ PLUS TABULAR QUANTITIES.

Day	1 ^h	2 ^h	3 ^h	4 ^h	5 ^h	6 ^h	7 ^h	8 ^h	9 ^h	10 ^h	11 ^h	Noon	13 ^h	14 ^h	15 ^h
1	γ 569	γ 568	γ 571	γ 567	γ 571	γ 569	γ 574	γ 565	γ 565	γ 555	γ 551	γ 547	γ 557	γ 555	γ 555
2	565	569	566	568	567	567	567	561	557	556	557	552	547	555	559
3	569	569	569	569	586	570	569	567	564	561	558	558	560	561	560
4	571	570	569	569	568	570	570	563	554	554	553	552	555	554	560
5*	573	572	569	569	568	568	569	562	558	558	556	557	551	557	566
6	571	574	570	568	566	567	571	571	564	562	558	553	556	560	566
7	576	574	573	572	565	568	568	570	568	563	572	574	569	566	569
8	572	571	570	568	568	570	564	561	557	560	563	567	564	567	565
9	575	575	574	571	568	567	565	562	560	558	559	563	568	570	575
10	597	583	585	585	565	577	582	573	565	563	562	547	553	569	576
11	577	582	583	587	589	579	578	573	569	566	566	570	568	566	573
12	564	571	592	587	590	585	578	571	571	568	568	569	572	578	589
13	585	585	586	591	589	588	588	575	(570)	(567)	(565)	(565)	(569)	(574)	(576)
14*	578	578	578	580	580	582	578	570	559	557	553	554	564	572	575
15*	584	585	585	587	588	587	586	577	575	571	570	574	576	579	582
16*	582	583	582	583	584	585	584	577	572	569	566	565	564	572	577
17*	583	583	583	582	584	584	584	577	573	572	572	568	573	577	579
18*	585	585	582	582	582	584	584	582	577	574	570	570	575	575	573
19*	588	588	585	583	586	586	585	574	569	571	574	574	575	579	583
20*	590	586	584	589	590	590	591	586	581	576	577	575	577	583	588
21	593	590	591	589	588	587	588	588	583	583	580	578	577	584	585
22	596	600	597	596	594	593	587	587	583	582	582	586	591	594	592
23*	599	598	598	597	593	592	588	588	585	586	588	591	592	597	601
24	598	598	599	598	598	596	592	587	581	581	587	591	595	599	598
25	...	...	...	...	...	...	...	...	...	...	589	592	598	599	597
26	600	601	602	601	602	600	596	583	584	584	586	589	590	595	596
27	600	599	601	601	604	601	599	594	592	588	593	595	596	601	609
28	597	601	602	605	606	604	600	596	590	587	590	591	593	598	599
29*	603	602	605	610	612	612	606	600	591	590	587	593	599	600	601
30	605	606	608	609	610	611	605	600	595	592	593	595	599	606	609
31	...	...	...	...	...	...	...	603	601	593	589	586	598	...	...
Mean.....	583	583	583	584	583	583	581	576	572	570	569	570	572	576	579
Mean*....	586	586	585	586	587	587	586	579	574	572	571	572	575	579	582

APRIL, 1907.

33500 γ PLUS TABULAR QUANTITIES.

1	...	...	...	...	...	...	...	604	604	601	...	...	...	...	...
2*	605	603	603	603	603	605	604	597	587	580	580	590	593	596	599
3*	604	603	602	601	602	604	601	596	592	594	597	601	607	608	605
4	607	606	606	604	603	603	602	597	593	592	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	600
11	601	605	607	611	613	608	599	596	594	593	592	597	596	604	600
12	596	599	599	602	604	603	594	587	579	579	579	584	590	588	587
13	588	588	592	595	596	596	591	585	583	585	587	587	590	586	587
14	588	590	596	589	587	592	578	593	590	597	594	596	593	591	593
15	601	594	595	595	597	601	599	598	597	597	594	599	602	603	603
16	599	600	598	599	601	593	590	594	593	586	583	580	583	596	601
17*	698	594	600	600	599	602	602	600	600	597	598	595	596	600	606
18	602	599	597	597	597	599	598	594	592	589	593	596	595	590	602
19*	594	597	595	597	599	598	597	595	591	591	591	588	585	593	592
20*	592	592	592	591	590	590	587	584	583	579	579	581	586	588	589
21*	593	593	593	593	593	591	590	589	589	588	587	588	587	587	589
22*	592	591	591	590	586	586	581	582	581	579	577	577	584	589	589
23*	591	592	591	592	592	591	587	585	580	578	581	581	586	595	599
24*	593	594	595	594	593	594	588	586	585	583	583	586	586	589	592
25	590	591	592	593	592	589	583	584	583	586	588	588	590	593	599
26	594	595	596	600	594	594	584	580	581	584	586	588	586	583	586
27	590	589	594	593	593	593	590	585	583	582	583	585	590	595	598
28	590	593	594	596	599	598	595	591	594	594	594	591	594	596	594
29*	592	590	594	597	600	601	601	593	589	583	584	582	582	583	588
30	589	589	589	589	591	592	589	583	578	574	575	577	584	591	592
Mean.....	595	595	596	596	596	596	592	590	587	586	587	588	590	593	595
Mean*....	595	595	596	596	596	596	594	591	588	585	586	587	589	593	595

* The mean hourly values given on the bottom line are derived from the "quiet days" indicated by asterisks.

MARCH, 1907.

335007 PLUS TABULAR QUANTITIES.

16 ^h	17 ^h	18 ^h	19 ^h	20 ^h	21 ^h	22 ^h	23 ^h	24 ^h	Mean	Maximum			Minimum			Range	Day
<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>r</i>	
569	565	563	564	565	577	573	572	569	565	7	11	577	11	22	545	32	1
563	571	570	572	574	575	571	571	570	565	21	00	575	13	00	547	28	2
563	571	573	574	573	574	574	572	575	568	5	00	586	15	30	557	29	3
566	571	569	572	575	576	576	576	574	566	22	26	576	12	19	550	26	4
566	557	568	570	573	573	572	572	570	566	0	00	574	13	00	551	23	5
567	565	563	568	570	575	576	576	575	567	22	00	576	12	00	553	23	6
566	568	570	570	570	570	570	571	573	570	1	00	576	10	00	563	13	7
566	566	567	568	568	569	570	572	574	567	24	00	574	9	00	557	17	8
574	572	567	567	566	565	567	566	570	568	14	41	576	10	00	558	18	9
581	582	579	572	569	577	582	580	580	574	0	54	600	12	00	547	53	10
574	585	583	584	572	563	551	563	557	573	3	55	590	22	00	551	39	11
591	591	594	594	593	587	586	585	585	582	5	15	594	0	38	551	43	12
(578)	581	582	585	584	585	583	580	578	580	4	00	591	(12 00)	(565)	26	13	13
574	581	584	587	590	588	587	586	584	576	20	00	590	11	27	549	41	14
584	587	587	589	589	588	588	585	585	583	19	00	589	11	00	570	19	15
580	582	583	587	589	589	588	587	586	580	20	00	589	13	00	564	25	16
582	584	584	588	589	588	589	588	587	581	20	00	589	12	00	568	21	17
576	578	583	585	588	588	587	589	589	581	24	00	589	11	25	566	23	18
582	586	588	589	588	591	593	591	591	583	22	00	593	9	23	567	26	19
589	590	590	589	589	594	590	592	592	587	21	00	594	11	45	574	20	20
588	584	587	579	603	608	604	603	594	589	23	19	629	12	10	570	59	21
595	595	597	595	595	596	598	597	598	593	1	24	602	11	00	582	20	22
600	598	600	600	599	598	599	598	598	595	14	45	602	9	29	583	19	23
599	596	598	...	...	...	...	...	...	...	14	17	600	10	00	581	19	24
601	601	600	601	601	598	596	596	598	...	13	48	601	...	...	...	...	25
(598)	601	604	605	603	601	602	598	598	597	19	00	605	8	21	581	24	26
(604)	600	605	605	602	601	598	596	595	599	15	00	609	10	00	588	21	27
601	603	608	607	606	604	604	603	603	600	4	38	608	10	00	587	21	28
604	608	611	614	613	612	608	608	606	604	19	00	614	11	12	587	27	29
612	608	609	613	...	...	...	...	...	...	19	00	613	10	20	591	22	30
...	607	608	609	...	...	...	...	...	...	...	...	...	12	00	586	...	31
581	582	584	584	585	586	585	584	584	580							27	
584	585	588	590	591	591	590	589	589	584							24	

APRIL, 1907.

335007 PLUS TABULAR QUANTITIES.

...	...	601	607	609	609	609	607	607	...	...	...	...	...	...	...	...	1
598	599	600	604	605	606	605	606	607	599	24	00	607	10	48	579	28	2
603	602	602	603	605	606	605	606	606	602	14	15	609	9	00	592	17	3
...	...	...	...	...	...	...	...	...	...	1	52	608	9	58	590	18	4
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	9
598	597	595	599	597	597	595	596	596	...	...	...	...	...	...	...	...	10
588	593	597	599	596	597	595	594	593	599	4	36	614	16	37	588	26	11
587	581	585	587	590	590	588	586	586	590	5	48	604	11	00	579	25	12
586	585	583	587	590	590	585	589	583	588	6	17	597	17	18	582	15	13
595	593	584	597	595	596	595	594	596	592	10	26	602	7	00	578	24	14
599	594	597	597	600	598	596	599	605	598	24	00	605	2	00	594	11	15
598	598	598	602	602	605	606	601	611	597	23	54	612	12	13	579	33	16
603	595	596	597	600	595	600	601	603	599	0	00	611	21	05	594	17	17
595	595	591	594	595	598	592	596	606	596	24	00	606	18	25	586	20	18
589	588	587	587	589	591	591	591	590	592	0	00	606	12	54	585	21	19
589	589	588	588	589	590	591	592	593	588	24	00	593	10	40	577	16	20
590	590	591	587	589	591	591	592	592	590	2	00	593	19	09	586	7	21
588	590	590	587	587	588	588	590	591	586	15	16	593	11	15	577	16	22
594	593	591	593	591	592	593	594	593	590	14	55	600	10	09	576	24	23
591	590	590	589	588	588	587	588	588	589	3	24	595	9	09	582	13	24
595	595	593	595	591	593	593	595	595	591	15	24	599	7	37	580	19	25
591	596	596	594	592	591	591	590	590	590	3	34	603	8	11	579	24	26
599	593	597	597	597	596	595	594	595	592	15	40	600	10	00	582	18	27
594	595	598	599	600	600	599	594	592	595	20	04	600	0	04	589	11	28
591	586	589	593	593	593	592	590	589	591	-6	52	602	12	50	580	22	29
(592)	(593)	593	597	598	600	597	597	594	589	21	00	600	10	18	572	28	30
593	592	593	594	595	595	594	594	595	593							20	
594	592	592	593	594	594	594	595	595	593							18	

MAY, 1907.

33500_r PLUS TABULAR QUANTITIES.

Day	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	Noon	13h	14h	15h
1*	592	592	591	593	594	596	597	597	596	597	598	596	593	595	597
2	599	599	596	595	596	598	599	603	601	602	604	603	599	600	602
3	606	603	602	599	600	602	599	603	606	605	608	608	610	609	606
4*	606	605	604	602	601	600	598	598	601	600	601	600	598	597	599
5*	604	603	601	600	598	598	595	597	597	604	604	598	596	600	606
6	602	604	603	598	598	598	590	600	598	601	610	614	611	610	614
7*	607	603	607	607	606	605	601	597	604	610	609	610	610	609	612
8*	607	607	609	608	606	605	597	597	599	601	604	605	604	604	604
9	604	603	604	(602)	(601)	(601)	(598)	(598)	(600)	(604)	(606)	(606)	(605)	(605)	(606)
10	605	604	604	604	606	606	599	592	594	598	600	605	601	610	(603)
11	601	602	605	606	606	602	596	592	590	595	596	596	595	597	600
12	599	602	602	603	604	606	601	601	601	603	603	604	601	605	605
13	605	606	614	606	601	604	605	601	596	598	602	603	605	607	613
14	599	601	603	605	607	607	603	600	598	597	599	601	596	599	613
15	608	607	601	605	608	606	603	605	597	594	595	598	601	601	609
16	597	597	597	597	(596)	(596)	(594)	(593)	(595)	(599)	(600)	(601)	(601)	(601)	(601)
17	601	597	596	598	596	599	599	597	597	600	600	599	599	597	593
18	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
20	604	604	604	604	607	603	600	598	598	596	594	597	600	605	607
21	602	600	599	599	599	597	597	597	595	601	606	607	608	608	603
22	591	599	600	600	600	598	590	588	593	596	603	605	605	607	605
23*	596	600	596	598	596	594	597	594	590	590	592	596	598	598	599
24	604	598	597	602	599	593	597	593	591	595	602	605	607	611	610
25*	600	600	603	602	602	600	592	590	594	594	600	602	605	606	612
26*	596	592	595	597	599	595	595	589	590	593	597	597	599	598	599
27*	595	596	598	600	603	601	595	590	589	589	592	593	596	600	606
28	592	594	595	597	596	601	595	589	586	584	590	589	590	602	599
29	598	598	601	595	602	602	599	602	601	613	613	609	599	603	607
30*	601	598	599	601	602	602	598	597	599	603	601	601	607	603	605
31	595	597	600	594	601	600	599	596	598	602	594	596	606	605	607
Mean.....	601	600	601	601	601	601	597	596	596	599	601	602	602	603	605
Mean *....	600	600	600	601	601	600	596	595	596	598	600	600	601	601	604

JUNE, 1907.

33500_r PLUS TABULAR QUANTITIES.

1	601	600	599	600	598	600	600	597	597	600	598	597	604	608	612
2*	606	605	604	599	598	598	597	596	601	607	605	604	604	609	604
3	607	606	604	603	600	599	596	596	598	598	603	608	608	611	608
4	608	607	604	604	599	596	592	596	592	600	604	604	603	602	604
5*	606	606	606	605	604	600	597	597	601	603	610	611	609	614	611
6	603	605	607	607	606	607	602	604	604	607	608	613	617	616	623
7	611	618	616	615	614	607	600	602	604	615	614	619	612	623	619
8*	614	611	614	615	616	617	614	608	605	604	601	605	611	618	622
9*	612	614	615	615	616	614	610	600	596	596	597	604	611	611	615
10	608	607	613	623	622	621	616	611	601	598	603	611	617	620	620
11	620	619	617	621	623	618	612	610	610	610	613	613	616	619	616
12	617	614	622	622	624	627	624	622	624	621	620	628	626	629	630
13*	622	623	623	623	624	627	622	614	618	621	630	630	625	626	628
14	624	616	617	619	622	627	621	613	616	616	621	617	(620)	(624)	(625)
15*	625	624	625	625	627	627	628	626	624	627	626	629	631	634	632
16*	624	623	623	624	619	619	619	616	620	624	623	624	623	626	627
17	621	621	618	617	618	617	613	617	617	621	625	626	625	626	626
18	629	616	618	619	624	615	615	610	615	617	621	625	626	626	624
19	623	624	624	624	624	622	612	609	625	623	622	624	626	623	624
20	628	633	632	632	633	627	621	622	629	632	633	638	642	647	649
21	628	628	627	630	627	622	620	624	622	626	632	637	634	636	642
22	634	635	631	629	636	627	617	618	623	619	622	630	630	628	642
23	630	635	631	630	633	629	629	627	627	631	634	632	634	639	643
24	634	636	642	638	635	634	631	627	631	631	627	629	630	643	646
25*	627	630	626	631	635	632	627	628	630	627	628	629	638	644	645
26*	623	626	626	627	630	630	627	623	620	626	626	626	626	624	628
27	630	631	629	640	625	624	622	622	630	626	620	620	626	629	633
28	625	624	621	625	623	628	627	627	623	630	636	641	641	640	636
29*	628	625	623	622	624	625	626	628	632	636	634	636	635	633	632
30	628	626	624	623	623	624	619	614	614	618	622	623	625	622	619
Mean.....	620	620	619	620	620	619	615	613	615	617	619	621	623	625	626
Mean *....	619	619	618	619	619	619	617	614	615	617	618	620	621	624	624

* The mean hourly values given on the bottom line are derived from the "quiet days" indicated by asterisks.

MAY, 1907.

33500 γ PLUS TABULAR QUANTITIES.

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean	Maximum		Minimum		Range	Day
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h	m	h	m	γ	γ
597	597	598	598	602	604	605	602	601	597	22	00	605	1	10	1
597	600	600	598	599	600	604	605	606	600	24	00	606	2	38	2
605	604	605	602	607	607	605	607	603	605	14	33	612	4	00	3
595	594	594	595	596	601	602	604	604	600	1	22	607	7	31	4
607	603	601	601	600	600	600	600	602	601	16	00	607	6	51	5
605	605	603	602	602	601	605	606	608	604	14	45	618	7	04	6
611	609	609	606	605	603	603	606	607	606	11	35	614	7	45	7
603	605	605	606	605	605	602	602	602	604	4	27	610	7	22	8
(606)	605	606	607	606	604	606	601	600	604	19	00	607	(7	00)	9
(600)	598	598	603	606	602	606	606	603	602	14	00	610	8	00	10
604	603	603	605	604	604	601	600	600	600	4	00	606	8	41	11
605	603	602	603	603	609	607	603	601	603	21	00	609	1	00	12
607	608	607	606	608	609	607	607	606	605	3	08	615	8	35	13
608	609	606	604	605	607	608	605	601	603	15	00	613	13	00	14
607	602	600	602	602	604	598	600	598	602	15	17	611	10	16	15
(601)	600	600	600	601	599	599	600	600	599	20	24	608	(8	00)	16
593	...	...	...	...	...	...	...	...	...	0	43	605	15	24	17
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	18
...	608	608	605	608	603	599	604	602	602	...	...	...	...	...	19
607	(604)	(604)	(603)	(602)	602	599	599	602	602	15	13	611	11	00	20
603	604	602	598	597	594	594	596	585	600	13	00	608	24	00	21
602	603	601	597	598	596	597	598	599	599	14	00	607	0	00	22
606	599	600	596	596	597	595	594	597	596	16	00	606	10	18	23
605	599	599	597	593	592	592	596	598	599	14	40	612	6	31	24
605	601	599	596	597	595	595	593	593	599	14	52	613	7	32	25
602	602	601	603	600	598	595	594	593	597	19	00	603	8	00	26
606	604	601	598	599	598	597	596	593	597	15	08	607	9	00	27
592	599	598	594	599	607	600	605	603	595	21	22	611	8	41	28
611	610	608	609	609	608	607	605	603	605	10	03	614	1	44	29
606	605	605	606	606	606	606	606	604	603	13	00	607	7	44	30
608	606	606	609	608	609	606	605	605	602	13	05	608	4	08	31
604	603	602	602	602	602	601	602	601	601						17
604	602	601	600	601	601	600	600	600	600						16

JUNE, 1907.

33500 γ PLUS TABULAR QUANTITIES.

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean	Maximum		Minimum		Range	Day
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h	m	h	m	γ	γ
606	605	604	605	607	608	609	609	608	603	15	00	612	8	05	1
604	602	600	600	603	606	606	606	609	603	13	57	609	8	00	2
607	605	602	607	604	605	604	594	600	603	13	54	612	23	22	3
606	602	602	603	602	603	603	604	604	602	1	42	610	7	12	4
609	611	606	605	602	602	602	603	604	605	14	19	615	7	09	5
615	618	614	611	607	603	603	603	605	609	14	48	626	7	32	6
622	619	617	616	612	611	611	610	609	614	12	29	625	8	22	7
618	618	619	618	616	617	614	613	612	613	14	39	623	10	50	8
619	615	616	616	618	615	612	613	617	611	16	00	619	8	52	9
623	622	623	624	622	621	617	605	613	615	15	56	624	9	19	10
622	624	624	622	623	618	619	615	617	618	15	22	625	0	22	11
629	628	628	630	630	630	628	625	624	625	12	24	630	1	48	12
627	624	624	626	628	626	625	623	620	624	11	39	633	8	18	13
(626)	624	627	626	627	628	627	626	626	622	21	00	628	8	00	14
632	629	626	625	626	627	627	625	625	627	14	10	634	9	13	15
628	625	624	624	623	624	624	623	622	623	16	06	629	7	44	16
617	616	617	619	621	622	624	624	627	621	24	00	627	7	00	17
621	619	620	625	626	626	627	619	620	621	0	57	630	7	57	18
629	627	622	628	632	629	624	623	634	624	15	42	638	7	25	19
639	633	629	629	628	626	629	628	627	632	14	21	650	6	53	20
641	635	632	630	629	620	625	627	635	630	15	18	644	21	43	21
643	640	640	635	632	629	632	633	631	631	14	17	646	7	12	22
644	642	637	635	634	630	630	629	633	633	16	00	644	8	42	23
643	641	638	633	629	633	633	630	628	634	15	13	647	8	12	24
641	635	636	636	634	632	629	627	627	632	14	46	646	3	00	25
633	633	634	634	632	634	628	626	629	628	18	00	634	8	43	26
638	634	628	634	633	627	627	626	628	628	3	56	641	10	35	27
638	637	634	632	630	631	631	632	635	631	12	35	642	2	15	28
633	631	627	629	631	631	632	631	629	630	12	23	637	3	27	29
620	616	616	621	625	625	625	626	626	622	0	00	629	7	54	30
626	624	622	623	622	621	621	619	621	620						21
624	622	621	621	621	621	620	619	619	620						18

JULY, 1907.

335007 PLUS TABULAR QUANTITIES.

Day	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	Noon	13h	14h	15h
1	623	620	619	620	616	622	625	621	626	628	621	622	617	627	622
2	630	621	621	626	622	616	611	618	609	611	615	622	624	626	624
3	626	631	626	626	626	622	616	617	620	618	619	618	621	625	629
4*	627	627	626	628	626	623	621	620	622	627	628	629	633	633	636
5	626	627	626	625	625	622	615	619	622	624	627	627	633	630	622
6	624	627	629	631	632	622	621	618	618	624	624	628	629	633	633
7	623	625	621	617	623	621	608	612	624	626	627	626	618	626	627
8	620	623	625	625	627	623	617	624	629	634	635	628	632	631	633
9	620	621	625	625	624	624	619	621	625	626	627	631	631	636	631
10	621	625	620	622	624	621	615	615	618	624	619	618	628	640	630
11	639	627	638	622	632	624	630	622	615	617	616	617	621	623	631
12	623	624	626	631	627	626	622	617	618	622	626	626	621	621	625
13*	622	621	621	622	624	626	624	622	625	620	617	617	614	619	623
14	618	619	616	615	615	617	616	615	614	611	611	610	611	619	619
15*	619	617	617	617	619	620	618	612	610	609	611	619	623	625	624
16*	619	619	619	618	619	621	619	616	614	616	622	624	626	618	628
17*	622	618	617	617	618	617	616	615	615	620	621	620	617	621	619
18*	620	620	621	619	619	619	615	612	615	619	622	622	626	624	623
19*	621	620	619	618	619	618	617	618	619	621	621	623	625	630	630
20*	620	620	622	618	618	615	613	610	610	611	614	617	618	622	622
21*	620	621	620	620	620	618	611	605	600	604	612	619	620	620	626
22	615	615	619	617	617	615	609	600	598	599	602	612	613	615	621
23	612	616	615	616	615	613	611	608	606	608	613	614	610	606	609
24	611	611	612	615	614	609	599	599	598	595	602	604	608	615	621
25	608	609	606	608	611	609	618	613	614	610	606	603	596	608	612
26	606	610	608	611	612	613	607	610	610	611	610	610	612	614	618
27	607	604	608	610	608	607	611	608	609	608	606	608	609	606	608
28	604	602	599	617	623	613	608	607	600	599	609	616	619	619	619
29	615	615	611	604	612	612	607	611	614	615	614	616	613	617	619
30*	612	611	609	606	605	606	602	602	600	604	604	605	608	606	609
31	609	608	607	604	603	602	596	596	601	603	607	608	602	604	609
Mean.....	619	619	618	618	619	617	614	613	613	615	616	618	619	621	623
Mean*....	620	619	619	618	619	618	616	613	613	615	617	620	621	622	624

AUGUST, 1907.

335007 PLUS TABULAR QUANTITIES.

1	613	610	605	601	608	600	590	597	609	610	607	611	616	618	618
2	616	609	610	610	609	607	600	601	607	610	612	611	613	612	618
3	611	617	610	610	610	606	607	605	605	608	614	617	611	614	606
4	610	610	607	610	610	607	607	599	599	601	599	610	612	611	617
5*	609	612	609	610	610	609	599	599	600	606	610	611	608	612	616
6	610	610	614	615	617	618	609	604	601	597	594	592	600	608	608
7	608	611	612	610	610	608	607	605	602	602	601	602	599	598	605
8*	606	609	610	610	610	609	605	610	611	608	609	606	610	608	615
9	615	606	607	610	613	612	612	609	612	613	615	612	618	615	611
10*	613	610	609	611	612	612	608	608	608	609	609	611	612	612	617
11*	614	611	610	612	612	613	612	614	621	621	618	614	608	609	612
12*	611	611	610	610	613	615	613	609	609	609	610	616	616	618	618
13*	613	613	611	611	612	613	611	611	614	616	618	615	614	616	614
14	612	610	610	607	607	608	604	602	602	608	610	612	611	611	607
15*	615	614	612	611	611	611	610	602	606	608	610	612	610	611	610
16	616	615	612	610	608	610	613	615	618	615	618	622	623	621	613
17	616	614	615	614	613	613	606	606	610	612	611	614	616	617	617
18	618	618	617	616	613	610	606	610	611	610	611	614	618	612	618
19	616	616	618	614	614	613	609	606	602	602	606	618	613	616	617
20	610	612	614	614	611	608	609	605	603	602	603	602	604	609	612
21	615	613	617	608	613	613	606	610	609	607	607	612	614	619	624
22	614	617	616	620	616	616	609	607	614	614	612	612	611	611	614
23	613	620	617	616	612	613	610	611	615	614	614	611	608	605	608
24	613	613	614	615	618	613	613	611	611	606	597	599	605	606	611
25*	610	611	610	611	615	615	606	606	604	602	601	600	601	607	607
26	608	610	612	610	612	612	609	606	602	605	609	609	611	610	610
27	614	615	610	610	611	615	611	605	606	606	607	604	...	...	...
28*	613	613	614	610	610	610	602	599	599	600	598	596	598	601	603
29*	614	613	612	610	612	612	604	598	597	599	600	601	603	604	608
30	614	613	617	616	609	605	599	595	604	582	596	609	620	620	618
31	616	615	615	614	612	609	601	598	599	598	601	608	609	611	610
Mean.....	613	613	612	612	612	611	607	605	607	606	607	609	610	611	613
Mean*....	612	612	611	611	612	612	607	606	607	608	608	608	608	610	612

* The mean hourly values given on the bottom line are derived from the "quiet days" indicated by asterisks.

JULY, 1907.

33500r PLUS TABULAR QUANTITIES.

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean	Maximum			Minimum			Range	Day
\bar{r}	\bar{r}	\bar{r}	\bar{r}	\bar{r}	\bar{r}	\bar{r}	\bar{r}	\bar{r}	\bar{r}	h	m	\bar{r}	h	m	\bar{r}	\bar{r}	
628	625	626	623	626	627	628	629	623	624	23	00	629	4	14	615	14	1
624	622	619	623	623	625	625	629	629	621	1	09	634	7	12	603	31	2
629	627	622	624	625	623	624	626	626	624	14	34	630	7	10	614	16	3
639	633	630	627	626	626	626	626	328	628	15	33	639	7	25	619	20	4
626	627	624	624	624	623	620	619	624	624	13	36	633	6	54	612	21	5
631	626	627	627	626	625	620	616	620	625	14	32	635	7	30	614	21	6
629	629	628	626	624	619	619	622	627	623	2	30	639	7	12	606	33	7
633	631	626	625	625	623	621	621	619	626	10	30	637	7	00	617	20	8
628	632	628	627	625	624	618	623	620	626	14	21	637	22	00	618	19	9
635	621	625	634	637	629	613	615	632	624	13	53	645	22	31	606	39	10
632	631	629	631	629	631	626	633	628	627	3	05	640	1	27	590	50	11
623	624	625	625	623	627	626	625	624	624	3	50	633	8	00	617	16	12
624	623	621	623	624	624	626	620	620	622	22	00	626	11	21	614	12	13
619	624	620	623	624	625	626	623	621	618	22	00	626	10	42	609	17	14
620	616	616	617	620	621	622	622	621	618	14	00	625	10	18	608	17	15
622	619	617	618	619	618	619	622	623	620	15	00	628	9	00	614	14	16
618	614	615	618	620	619	620	621	621	618	0	00	623	16	55	613	10	17
619	618	616	619	619	621	622	622	623	620	13	00	626	8	00	612	14	18
625	621	617	617	618	621	622	620	620	621	14	00	630	7	00	617	13	19
622	619	618	617	615	617	616	617	619	617	14	24	624	8	00	610	14	20
623	621	621	618	617	616	613	615	616	616	15	00	626	9	00	600	26	21
621	619	620	620	614	613	612	608	610	613	16	18	624	8	27	595	29	22
615	611	611	611	613	612	610	609	612	612	1	34	619	7	09	606	13	23
618	617	615	615	616	613	611	609	614	610	15	00	621	10	00	595	26	24
620	617	618	616	619	617	614	611	611	611	16	33	623	13	00	596	27	25
617	614	611	611	609	615	618	614	612	612	22	00	618	0	45	604	14	26
615	613	611	611	627	620	613	603	600	610	19	54	629	21	29	589	40	27
616	617	616	617	615	619	621	609	620	613	1	17	627	2	47	593	34	28
619	618	616	616	615	615	617	617	616	614	15	43	621	4	00	604	17	29
610	609	607	606	607	609	608	608	610	607	0	00	616	7	42	601	15	30
606	606	604	608	609	610	611	610	611	606	24	00	611	7	23	594	17	31
623	621	619	620	620	620	619	618	619	618							22	
622	619	618	618	618	619	619	619	620	619							16	

AUGUST, 1907.

33500r PLUS TABULAR QUANTITIES.

607	609	606	611	611	611	605	606	612	608	13	45	620	7	12	589	31	1
610	610	611	611	609	610	611	611	611	610	15	16	621	7	36	598	23	2
607	608	609	608	607	608	610	610	610	610	11	42	619	6	52	601	18	3
618	614	611	610	608	610	611	612	610	609	15	28	620	8	39	599	21	4
616	613	612	611	610	610	608	609	610	609	15	10	617	7	08	599	18	5
606	608	608	609	609	610	610	604	604	607	2	21	616	12	00	592	24	6
608	608	610	611	609	609	610	607	607	607	3	00	612	13	36	597	15	7
616	615	617	616	613	613	612	610	611	611	15	53	617	6	52	603	14	8
613	613	617	617	616	618	612	613	614	613	13	00	618	2	20	606	12	9
617	621	617	620	620	619	618	617	621	614	17	00	621	13	07	608	13	10
611	612	612	615	616	617	614	613	612	613	9	27	622	13	33	606	16	11
616	617	617	618	618	619	618	617	616	614	14	23	619	8	21	609	10	12
614	615	615	616	617	618	618	618	615	614	10	27	619	7	51	586	33	13
613	610	611	611	612	614	617	614	615	610	21	47	618	8	00	602	16	14
612	610	611	611	612	615	616	616	616	611	22	22	618	8	00	602	16	15
613	613	611	609	612	616	618	617	618	615	13	00	623	5	00	608	15	16
613	613	611	612	613	614	618	620	620	614	24	00	620	7	21	576	44	17
614	616	610	612	612	613	611	613	618	613	0	00	620	7	39	602	18	18
616	614	612	609	610	614	613	609	609	612	3	16	622	9	00	602	20	19
613	607	609	613	613	608	605	593	611	608	18	48	615	22	52	547	68	20
619	620	617	618	617	611	617	613	612	614	15	00	624	7	20	602	22	21
619	616	616	616	622	619	616	614	614	615	19	30	622	7	55	605	17	22
610	610	611	614	618	623	622	617	613	614	21	00	623	13	39	603	20	23
612	613	617	615	617	618	614	612	612	611	5	18	619	11	20	596	23	24
612	616	618	620	620	621	618	616	614	611	21	00	621	12	00	600	21	25
609	609	611	614	615	618	617	616	615	611	20	25	620	8	33	601	19	26
608	608	611	613	616	617	617	615	615	607	21	00	617	7	33	604	13	27
607	606	609	611	615	615	615	614	615	607	20	00	615	11	48	595	20	28
610	610	611	612	613	614	614	614	614	608	0	00	615	8	31	595	20	29
612	613	615	616	614	616	615	613	612	610	14	21	626	10	00	582	44	30
612	607	608	608	609	610	611	612	613	609	0	47	621	8	20	596	25	31
612	612	612	613	614	614	614	612	613	611							22	
613	614	614	615	615	616	615	614	614	611							18	

SEPTEMBER, 1907.

33500_r PLUS TABULAR QUANTITIES.

Day	1 ^h	2 ^h	3 ^h	4 ^h	5 ^h	6 ^h	7 ^h	8 ^h	9 ^h	10 ^h	11 ^h	Noon	13 ^h	14 ^h	15 ^h
1*	615	614	612	609	609	610	606	607	611	611	610	609	613	616	616
2*	613	614	614	613	611	610	605	606	607	610	609	606	610	607	608
3*	611	612	612	611	611	608	602	596	593	594	597	606	600	604	610
4*	612	612	612	611	607	606	608	604	603	609	605	604	605	609	611
5	615	616	614	613	612	611	606	608	612	612	614	617	618	619	617
6	610	611	616	613	613	619	604	603	602	601	605	609	610	611	610
7*	608	610	613	611	612	611	601	596	596	602	599	602	603	607	609
8*	609	607	608	610	612	613	602	594	590	592	597	599	601	602	605
9	607	607	609	610	611	611	604	602	603	600	599	597	602	603	608
10	608	609	609	609	611	610	601	590	582	596	596	605	605	606	617
11	617	614	610	618	616	612	607	606	604	605	605	600	597	600	610
12	626	617	617	619	618	621	619	615	608	613	614	611	615	611	614
13	622	622	621	620	620	620	614	609	607	614	617	613	611	611	612
14	619	618	615	612	613	612	607	608	608	608	608	604	607	610	606
15	(613)	(614)	(615)	(616)	(616)	(616)	(611)	608	606	609	611	615	617	619	618
16	617	616	617	609	610	609	605	601	599	611	607	613	608	613	617
17	617	619	618	617	619	616	611	602	602	597	596	590	598	625	622
18	(615)	(616)	(617)	(617)	(617)	(617)	(612)	(609)	(609)	(608)	(609)	609	610	607	610
19	614	616	619	620	620	614	604	600	602	610	607	605	611	610	616
20	618	618	623	623	623	623	617	615	613	610	611	614	610	614	619
21*	624	626	626	626	624	624	621	619	620	618	619	616	624	625	620
22*	615	616	618	622	622	622	615	609	604	601	600	599	600	605	609
23*	614	615	616	619	620	620	609	603	599	594	592	590	592	600	602
24	614	612	611	613	615	616	607	602	599	595	594	594	600	604	606
25	613	612	614	614	614	614	611	606	603	598	599	598	600	603	605
26	615	614	615	614	614	614	610	605	611	605	599	608	612	611	605
27*	627	622	618	618	617	616	614	611	609	607	606	606	604	609	612
28	618	618	617	616	616	617	614	610	606	601	595	593	599	601	604
29	614	615	616	614	615	613	609	608	594	597	602	606	608	609	606
30	614	613	614	615	615	612	609	604	596	601	613	615	606	603	601
Mean.....	615	615	615	615	615	615	609	605	603	604	604	605	607	609	611
Mean*.....	615	615	615	615	614	614	608	604	603	604	603	604	605	608	610

OCTOBER, 1907.

33500_r PLUS TABULAR QUANTITIES.

1	614	615	615	612	614	613	602	605	602	605	609	614	611	614	615
2	616	621	624	620	619	618	610	609	603	601	602	603	607	615	611
3	625	617	618	624	621	620	615	611	606	605	605	608	609	612	617
4*	619	620	621	621	621	620	613	612	607	601	601	607	610	615	619
5*	618	619	619	621	621	620	616	614	612	609	609	609	610	614	613
6*	613	613	613	613	615	613	610	602	599	600	606	610	607	609	611
7*	612	614	616	616	617	618	613	608	603	601	602	604	605	607	610
8	608	608	611	612	612	612	605	599	596	597	603	601	608	610	609
9	610	617	618	617	619	616	609	603	601	597	598	607	606	603	606
10	613	613	613	613	613	613	609	606	605	608	611	613	609	607	609
11	611	609	608	608	613	610	608	602	599	597	602	603	603	603	603
12*	613	613	613	612	612	611	607	604	603	606	611	611	612	612	612
13	614	612	611	613	608	609	602	594	601	595	594	589	585	590	602
14	622	619	617	613	612	611	610	601	606	595	603	601	602	603	613
15	615	621	619	620	611	614	605	607	610	613	619	619	617	620	621
16	616	618	618	616	618	613	605	592	593	593	598	610	609	612	613
17*	611	613	615	615	612	609	602	595	600	604	609	609	612	611	610
18*	610	611	613	613	611	608	603	597	595	596	603	609	609	608	610
19*	607	608	610	611	611	611	605	598	594	595	597	602	602	604	606
20*	605	607	609	611	609	609	602	594	589	588	590	592	594	596	603
21	613	610	609	612	612	611	609	606	606	610	611	610	609	607	609
22	605	606	605	604	600	608	604	607	594	600	602	611	619	608	604
23	609	615	610	613	614	613	613	608	607	605	604	605	602	595	602
24	607	606	608	608	609	611	610	611	613	610	610	614	613	609	608
25	612	610	609	609	610	609	608	608	608	607	603	601	600	602	604
26	609	609	608	608	608	611	605	600	602	600	600	602	599	601	603
27	609	608	612	613	610	615	606	599	594	595	600	606	609	611	603
28	615	614	612	611	611	611	611	609	610	610	610	611	610	608	605
29	613	611	614	614	613	605	606	605	606	608	608	613	612	610	606
30	607	611	613	612	612	609	604	600	602	602	605	607	608	604	610
31*	612	612	612	611	610	607	602	599	601	601	599	597	600	603	606
Mean.....	612	613	613	613	613	612	607	603	602	602	604	606	607	607	609
Mean*.....	612	613	614	614	614	613	607	602	600	600	603	605	606	608	610

* The mean hourly values given on the bottom line are derived from the "quiet days" indicated by asterisks.

SEPTEMBER, 1907.

33500_r PLUS TABULAR QUANTITIES.

16 ^h	17 ^h	18 ^h	19 ^h	20 ^h	21 ^h	22 ^h	23 ^h	24 ^h	Mean	Maximum			Minimum			Range	Day
<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>r</i>	
617	612	613	612	612	610	610	610	612	612	14	46	617	7	13	602	15	1
608	614	614	612	612	611	610	611	611	610	3	00	614	7	17	601	13	2
612	614	612	607	609	609	609	609	610	607	16	31	616	9	34	591	25	3
614	614	616	617	615	612	609	610	611	610	18	24	618	8	51	601	17	4
618	614	615	617	616	614	612	610	610	614	13	10	620	6	47	603	17	5
611	610	612	610	607	609	610	611	610	609	6	00	619	7	35	598	21	6
611	609	612	615	613	612	611	609	608	608	19	00	615	8	46	594	21	7
607	606	609	611	612	613	613	611	609	606	6	00	613	9	24	588	25	8
608	607	611	612	613	613	614	610	609	607	21	33	617	11	42	597	20	9
617	615	615	630	627	632	629	628	625	611	19	08	634	8	23	554	80	10
613	617	617	619	622	620	613	626	623	612	23	03	627	13	02	597	30	11
615	618	617	618	619	620	625	624	622	617	1	00	626	9	00	608	18	12
614	613	616	616	620	620	620	619	619	616	2	00	622	8	43	606	16	13
608	609	(611)	(611)	(611)	(610)	(610)	(610)	(611)	610	(1 00)	(619)	12	30	604	15	14	
618	616	616	615	615	615	615	616	618	614	14	24	620	9	00	606	14	15
615	615	616	612	615	616	616	616	615	612	16	30	624	8	55	596	28	16
616	615	615	615	613	613	(612)	(612)	(613)	611	14	22	630	11	41	581	49	17
612	613	607	613	607	615	613	615	615	612	(4 00)	(617)	17	45	606	11	18	
618	624	621	624	622	622	618	619	622	615	20	27	626	7	42	597	29	19
620	622	621	620	622	621	618	615	616	618	18	21	628	10	17	607	21	20
626	627	629	628	627	625	621	618	618	623	18	08	629	0	00	616	13	21
614	618	622	623	623	620	618	617	616	614	19	43	624	12	39	598	26	22
606	610	613	616	618	619	618	617	616	609	5	38	620	12	00	590	30	23
608	612	614	619	620	620	620	617	614	609	20	17	620	10	49	532	28	24
605	607	612	615	618	618	620	619	617	610	22	00	620	10	31	594	26	25
605	609	606	606	611	618	630	619	624	612	22	15	632	10	54	598	34	26
612	614	613	615	617	618	618	619	619	614	1	08	627	12	24	604	23	27
609	609	611	611	614	614	608	614	611	609	0	00	619	11	32	591	28	28
604	606	608	609	609	611	611	612	613	609	1	17	617	9	09	593	24	29
598	610	604	614	613	612	612	614	615	609	19	08	616	9	03	593	23	30
612	613	614	615	616	616	615	615	615	612							25	
613	614	615	616	616	615	614	613	613	611							21	

OCTOBER, 1907.

33500_r PLUS TABULAR QUANTITIES.

615	611	612	611	611	611	613	611	615	611	5	26	620	7	00	602	18	1
613	617	617	618	616	611	617	617	617	613	3	17	624	10	10	599	25	2
617	619	620	619	618	617	617	615	618	616	0	45	627	8	50	603	24	3
621	618	620	619	619	615	615	616	617	615	4	16	622	10	21	601	21	4
613	613	614	615	614	613	613	612	612	614	5	00	621	12	19	607	14	5
615	616	617	618	616	614	613	612	612	611	19	00	618	8	51	598	20	6
612	614	616	614	611	610	608	607	607	610	5	50	618	10	00	601	17	7
609	610	605	609	611	618	623	618	613	609	22	00	623	9	00	596	27	8
606	607	616	617	619	618	617	615	614	611	20	28	620	9	23	595	25	9
608	606	607	610	613	612	610	614	612	610	20	27	618	8	38	604	14	10
606	607	612	615	616	617	615	614	614	608	21	27	617	9	43	597	20	11
607	608	610	610	613	612	614	615	615	611	22	36	616	8	15	602	14	12
596	606	611	609	611	615	614	614	620	605	23	48	620	7	38	581	39	13
609	612	604	613	617	619	615	620	618	611	20	24	631	9	38	590	41	14
614	607	615	619	616	614	614	616	618	615	2	12	627	7	30	602	25	15
612	612	609	611	608	609	609	609	610	609	2	23	624	8	18	586	38	16
609	610	611	609	608	606	607	607	610	608	3	37	615	8	00	595	20	17
612	614	612	608	607	606	605	605	607	607	17	00	614	9	21	592	22	18
610	610	611	610	608	605	604	604	604	605	5	00	611	9	22	591	20	19
604	606	608	604	606	602	601	602	606	602	4	00	611	9	24	587	24	20
615	617	614	614	614	611	606	606	605	610	16	50	619	24	00	605	14	21
611	620	620	621	618	618	613	608	615	609	17	29	626	9	28	583	43	22
607	610	611	611	612	612	612	611	609	609	0	03	617	14	03	592	25	23
609	611	612	616	616	616	615	614	614	611	20	00	616	2	34	605	11	24
606	608	609	608	611	616	615	612	612	608	21	00	616	14	31	599	17	25
606	609	609	611	612	613	613	612	613	607	23	35	614	13	34	596	18	26
606	609	614	615	627	615	618	619	618	610	20	00	627	8	17	593	34	27
606	611	610	610	610	612	611	612	614	611	0	15	619	15	09	602	17	28
608	611	613	613	611	611	613	613	618	611	23	54	619	15	20	602	17	29
612	615	612	610	610	610	612	611	611	609	0	00	618	8	15	598	20	30
608	611	612	612	610	610	613	614	615	607	24	00	615	12	00	597	18	31
610	611	612	613	613	613	612	612	613	610							23	
611	612	613	612	611	609	609	609	610	609							19	

NOVEMBER, 1907.

33500r PLUS TABULAR QUANTITIES.

Day	1 ^h	2 ^h	3 ^h	4 ^h	5 ^h	6 ^h	7 ^h	8 ^h	9 ^h	10 ^h	11 ^h	Noon	13 ^h	14 ^h	15 ^h
1*	\bar{r}	\bar{r}	\bar{r}	\bar{r}	\bar{r}	\bar{r}	\bar{r}	\bar{r}	\bar{r}	\bar{r}	\bar{r}	\bar{r}	\bar{r}	\bar{r}	\bar{r}
2	616	617	617	618	617	615	609	605	605	601	602	607	606	605	606
3	616	616	615	616	618	617	609	600	597	601	(600)	(600)	(500)	(603)	(607)
4	616	613	628	617	621	615	612	603	602	602	602	602	607	608	608
5*	630	630	629	634	632	627	622	617	610	610	(609)	(608)	(608)	(611)	(615)
	616	616	620	620	621	621	615	605	601	599	597	601	603	601	605
6	611	615	617	617	617	617	615	610	607	608	609	607	601	601	602
7	605	606	609	610	610	610	609	602	598	593	595	596	597	599	601
8	611	600	607	611	613	616	616	616	609	609	606	604	602	602	605
9	608	609	609	610	610	612	612	608	597	592	597	600	597	600	597
10	610	614	607	612	612	613	613	610	601	600	597	600	604	613	616
11	617	617	616	615	616	616	622	612	612	610	607	602	606	611	609
12	627	627	626	624	621	623	617	610	604	601	603	607	606	604	603
13	620	620	619	619	617	615	613	611	606	604	601	600	597	599	604
14	620	620	620	618	617	615	613	609	602	598	601	606	608	608	608
15*	616	618	618	619	619	615	615	606	598	600	601	603	607	616	619
16*	615	615	617	618	616	618	616	609	609	609	607	607	605	609	613
17*	618	621	622	626	622	621	621	615	611	610	610	607	604	605	610
18*	616	617	619	620	620	623	624	622	620	617	613	612	613	614	616
19*	616	618	620	620	621	623	624	621	613	609	607	608	608	609	614
20*	615	616	618	619	620	622	619	616	611	606	603	602	603	606	610
21	614	615	616	617	619	619	622	605	600	592	609	610	610	612	624
22	624	624	624	624	621	623	627	619	624	620	613	611	615	621	620
23	624	621	623	624	624	625	625	622	617	618	621	618	614	614	616
24	626	624	625	627	629	627	626	623	620	613	608	607	610	610	613
25*	623	625	623	622	623	623	624	618	614	611	612	612	617	620	620
26	624	623	623	624	622	622	619	618	618	617	613	606	610	616	618
27	621	622	622	623	623	623	624	619	621	613	614	619	623	624	627
28	630	630	630	630	628	628	629	626	623	622	621	621	621	625	626
29*	631	631	630	629	629	628	627	625	622	621	619	620	621	623	622
30	628	629	629	628	627	626	625	623	618	615	620	623	623	624	625
Mean.....	619	619	620	620	620	620	619	614	610	607	607	608	608	610	613
Mean*.....	618	619	620	621	621	621	619	614	610	608	607	608	609	611	614

DECEMBER, 1907.

33500r PLUS TABULAR QUANTITIES.

1*	631	633	633	633	633	632	631	629	625	619	613	616	621	624	627
2*	631	634	634	635	633	632	631	628	626	626	629	630	631	632	629
3*	631	632	634	635	636	636	634	629	623	618	620	622	623	626	628
4	629	633	634	635	634	634	632	622	612	607	607	606	607	614	619
5	617	615	623	628	630	633	634	632	627	624	619	618	617	621	628
6	624	625	628	632	630	632	633	626	618	611	604	604	612	616	616
7	624	625	625	631	627	627	630	623	619	614	617	617	613	611	613
8	630	629	628	629	630	629	633	631	625	619	611	606	605	609	613
9*	627	627	626	626	626	627	629	630	629	626	624	622	621	621	623
10	630	629	628	626	626	626	629	625	622	620	620	620	615	616	616
11	635	634	632	631	630	629	629	626	619	612	607	605	604	603	606
12	637	634	637	634	630	630	631	631	625	627	627	633	626	632	633
13	638	637	636	634	632	631	631	627	623	620	617	611	609	617	624
14*	630	630	633	629	630	628	628	625	620	614	608	602	604	610	617
15*	626	628	627	627	628	626	627	622	618	615	614	611	613	615	621
16	622	624	626	626	626	626	623	617	611	609	612	613	614	613	618
17	632	637	636	638	641	641	638	633	625	623	625	626	628	631	631
18	635	636	637	638	640	640	639	634	626	621	620	622	625	629	633
19	631	633	635	635	636	638	638	631	622	614	612	608	612	616	620
20	630	629	630	635	632	632	635	631	621	618	611	608	612	612	614
21	626	627	625	628	630	632	630	628	618	609	601	605	612	613	615
22*	623	623	624	625	627	629	630	625	620	620	620	614	616	617	619
23*	623	623	623	624	624	625	627	626	620	615	612	612	613	612	616
24*	618	619	620	620	620	621	624	622	613	616	603	602	603	602	603
25*	620	621	619	619	618	616	619	619	615	613	615	613	608	608	605
26	617	618	618	619	618	618	619	615	608	604	607	611	613	614	615
27	620	620	618	630	616	620	619	619	612	608	613	614	616	617	614
28	618	620	622	621	620	620	621	621	617	613	612	611	616	613	619
29	629	621	622	620	620	620	621	620	615	614	608	603	605	607	609
30	618	620	620	624	620	618	616	615	614	610	613	615	615	615	618
31	623	626	627	625	626	625	624	623	614	608	603	605	611	618	620
Mean.....	626	627	628	629	628	628	629	625	619	616	614	613	614	616	619
Mean*.....	626	627	627	627	628	627	628	626	621	618	616	614	615	617	619

* The mean hourly values given on the bottom line are derived from the "quiet days" indicated by asterisks.

NOVEMBER, 1907.

33500_r PLUS TABULAR QUANTITIES.

16 ^h	17 ^h	18 ^h	19 ^h	20 ^h	21 ^h	22 ^h	23 ^h	24 ^h	Mean	Maximum		Minimum		Range	Day
<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>h</i>	<i>m</i>	<i>r</i>
511	615	614	613	614	611	610	611	615	611	4	00	618	10	28	600
(610)	612	611	611	611	615	616	619	617	610	23	00	619	9	00	597
611	609	608	611	615	621	624	625	631	613	23	24	634	8	54	599
(618)	(619)	619	619	620	618	616	615	616	619	4	23	636	(12 00)	(608)	28
607	610	619	619	620	618	616	614	614	612	19	38	622	10	51	596
606	612	613	613	613	612	611	609	607	610	4	31	617	13	21	599
603	607	610	612	614	617	615	612	609	606	20	51	618	10	00	593
605	607	608	612	612	613	614	613	612	609	7	31	617	1	50	598
599	602	603	606	608	610	613	611	609	605	22	23	615	10	00	592
612	613	614	618	617	616	618	620	620	611	2	12	621	10	51	594
607	610	610	608	617	617	619	626	630	614	23	54	631	12	03	601
605	607	610	610	611	615	618	621	621	613	0	00	630	10	04	600
606	607	609	609	608	608	615	619	620	610	3	12	621	13	00	597
610	606	607	612	612	614	614	615	616	611	3	15	620	10	15	598
619	620	617	615	613	611	611	614	618	613	17	00	620	9	00	598
615	615	615	612	609	612	615	617	618	613	4	21	623	12	30	604
613	620	618	617	616	617	615	616	616	615	4	00	626	12	48	603
621	619	622	621	617	619	617	617	618	618	17	55	624	11	35	610
617	620	620	620	620	618	616	616	615	616	6	32	624	10	33	606
613	616	617	618	619	617	616	615	615	614	6	26	622	11	51	602
633	620	627	628	627	627	627	624	626	618	15	12	645	10	00	592
623	626	617	623	626	627	626	626	625	622	4	49	629	12	41	609
620	623	626	628	629	628	627	627	627	623	20	00	629	13	36	612
615	615	617	621	622	623	625	625	625	620	5	04	629	11	13	607
618	617	617	620	621	623	624	624	624	620	2	05	625	10	12	610
617	617	617	617	618	620	622	625	623	619	23	12	626	11	51	605
629	624	622	623	623	625	630	630	629	623	23	17	631	10	07	611
627	628	626	621	625	626	628	630	630	623	1	29	632	12	40	617
622	623	623	622	621	623	625	627	628	625	2	33	631	11	00	619
629	630	628	625	625	624	627	627	629	625	17	00	630	10	00	615
615	616	616	617	617	618	619	620	620	615						22
616	618	618	618	617	617	616	617	618	616						19

DECEMBER, 1907.

33500_r PLUS TABULAR QUANTITIES.

630	630	627	624	625	625	625	626	630	627	2	25	634	11	15	612	22	1
631	632	630	629	628	627	627	629	631	630	3	27	635	8	42	626	9	2
631	(631)	(630)	630	628	627	627	627	629	629	5	31	636	10	00	618	18	3
624	623	625	626	625	623	621	618	622	622	3	50	636	11	30	606	30	4
624	628	631	627	626	623	623	623	622	625	7	20	635	2	05	614	21	5
617	621	627	628	628	627	625	627	626	622	7	12	634	12	00	604	30	6
619	620	621	621	619	618	624	629	626	621	23	25	633	14	24	609	24	7
617	619	621	626	628	628	629	629	629	623	7	12	634	13	04	605	29	8
624	624	625	627	628	630	631	632	632	627	23	00	632	11	44	620	12	9
614	623	628	625	632	631	636	637	636	625	23	10	638	15	35	611	27	10
620	625	624	626	628	629	630	626	634	623	0	57	637	13	27	596	41	11
623	623	623	628	620	619	629	634	635	629	2	26	641	21	00	619	22	12
628	624	622	622	624	622	626	628	630	626	0	57	640	12	11	609	31	13
621	621	622	621	619	618	620	623	625	621	2	55	634	12	33	601	33	14
625	620	619	619	616	616	617	621	622	621	5	00	628	12	30	610	18	15
624	626	627	628	628	625	629	631	632	622	24	00	632	10	03	609	23	16
633	633	638	638	637	635	632	631	634	633	5	47	642	9	26	622	20	17
632	632	633	631	632	631	628	630	630	631	5	32	641	10	21	619	22	18
621	621	625	621	623	621	624	624	627	624	6	43	639	12	00	608	31	19
616	619	623	623	624	624	624	623	624	623	6	56	636	11	40	607	29	20
619	621	623	623	620	626	626	624	625	621	5	33	633	11	09	599	34	21
621	619	621	620	621	621	621	621	622	622	6	42	631	12	00	614	17	22
622	619	620	618	619	618	619	618	619	619	7	00	627	11	36	611	16	23
605	607	611	613	613	611	616	615	620	613	7	00	624	11	42	601	23	24
606	609	611	612	615	616	617	617	618	615	2	00	621	15	15	605	16	25
614	610	611	611	612	614	619	623	625	615	23	49	626	9	30	602	24	26
612	610	612	608	609	610	612	616	617	615	4	10	632	9	50	606	26	27
616	611	611	612	617	617	617	618	619	617	3	25	623	11	37	610	13	28
610	608	610	611	611	611	614	617	617	614	3	34	623	12	23	601	22	29
620	614	614	614	613	614	613	621	625	617	24	00	625	10	00	610	15	30
621	618	618	616	615	617	620	619	622	618	3	00	627	11	29	601	26	31
621	621	622	622	622	622	623	624	626	622							23	
622	621	622	621	621	621	622	623	625	622							18	

JANUARY, 1908.

33500_r PLUS TABULAR QUANTITIES.

Day	1 ^h	2 ^h	3 ^h	4 ^h	5 ^h	6 ^h	7 ^h	8 ^h	9 ^h	10 ^h	11 ^h	Noon	13 ^h	14 ^h	15 ^h
1*	<i>7</i>	<i>7</i>	<i>7</i>	<i>7</i>	<i>7</i>	<i>7</i>	<i>7</i>	<i>7</i>	<i>7</i>	<i>7</i>	<i>7</i>	<i>7</i>	<i>7</i>	<i>7</i>	<i>7</i>
2	620	624	624	626	626	625	623	620	614	609	611	611	607	605	614
3	620	626	622	625	625	623	626	624	619	613	610	609	610	614	615
4	620	619	622	626	631	629	630	628	617	606	603	606	607	606	615
5	621	623	624	627	627	629	630	626	616	616	620	617	613	618	618
6	618	621	623	625	626	627	629	628	622	617	615	616	615	610	612
7	621	621	624	627	626	628	631	628	620	621	622	619	620	617	620
8	623	621	622	624	625	628	629	628	622	619	621	615	611	606	609
9	627	627	635	630	629	629	632	627	623	621	622	625	626	621	622
10	631	625	630	635	632	635	628	624	618	610	601	598	616	623	620
11	626	627	626	627	626	626	626	625	619	615	616	615	611	611	616
12	630	630	629	629	628	624	627	626	624	620	619	617	615	614	622
13*	629	629	630	628	628	626	628	628	626	624	620	615	613	619	623
14*	623	624	623	623	623	621	621	618	614	612	610	612	616	621	622
15*	623	625	626	628	628	628	627	625	620	610	606	606	608	612	614
16*	623	627	626	627	625	625	626	627	623	617	611	604	613	615	620
17*	620	623	626	626	627	627	629	623	613	606	602	606	606	602	606
18*	618	621	622	624	625	626	625	620	615	610	608	611	613	613	619
19*	620	621	624	625	626	626	628	624	615	608	606	607	612	612	610
20*	620	621	622	623	624	624	625	624	618	612	608	605	606	612	614
21*	620	621	622	623	624	625	625	625	619	611	605	606	606	607	611
22	620	619	620	622	623	623	626	623	615	608	603	604	608	609	614
23	624	623	624	624	623	624	627	625	620	614	605	609	613	610	610
24	618	618	618	620	622	622	621	617	613	608	610	613	613	610	612
25	615	615	616	616	617	618	621	616	611	603	598	603	608	608	614
26	620	618	621	624	622	621	621	619	613	612	612	614	615	617	617
27	623	623	621	623	622	622	621	616	613	608	609	611	613	617	618
28	624	624	624	623	623	621	622	621	619	619	618	617	616	618	616
29	629	631	629	628	628	623	623	622	617	615	615	615	621	617	613
30	620	619	617	621	619	621	622	618	610	602	598	596	602	612	619
31	629	629	631	629	631	630	629	627	620	616	611	611	613	616	619
Mean.....	622	623	624	625	625	625	626	623	617	613	610	610	612	613	616
Mean*.....	621	623	624	625	625	625	626	623	617	610	607	607	610	611	614

FEBRUARY, 1908.

33500_r PLUS TABULAR QUANTITIES.

1*	625	627	628	631	632	631	630	625	616	612	616	616	616	623	625
2	625	627	629	631	631	631	631	626	618	612	610	602	606	611	618
3	620	621	622	624	627	627	627	625	620	609	612	610	617	611	621
4	625	625	625	629	631	631	632	634	628	618	619	612	617	623	622
5	628	624	624	629	631	629	630	626	616	614	615	615	617	611	619
6	621	630	630	625	630	634	640	627	626	621	615	621	619	627	626
7	631	635	626	628	629	631	630	626	623	616	613	612	609	616	623
8*	627	626	625	627	626	627	628	627	619	616	614	625	628	622	618
9*	628	628	628	627	625	625	626	626	623	619	610	612	616	619	628
10	629	629	629	628	628	627	627	627	624	619	616	618	618	617	618
11	627	629	631	629	629	631	629	626	622	613	613	610	612	621	630
12	630	634	634	632	633	636	640	632	631	625	619	619	621	623	623
13	630	631	635	630	631	631	632	628	622	619	614	609	615	623	624
14*	628	629	631	633	633	633	632	628	623	616	608	606	615	618	624
15*	629	633	634	638	636	637	637	634	622	618	616	613	622	627	630
16	629	629	632	635	636	637	639	637	632	629	626	625	628	629	629
17*	637	637	639	640	641	641	643	636	629	625	623	625	630	630	630
18	635	635	639	638	639	641	641	635	630	626	626	628	631	631	631
19*	636	636	637	638	639	640	641	638	634	630	626	624	626	628	633
20*	637	637	638	639	639	638	640	638	634	633	633	633	635	633	633
21*	639	638	638	639	639	641	644	644	640	636	632	633	629	628	630
22	642	641	640	640	641	642	645	645	638	633	625	627	637	633	631
23	642	644	643	646	646	649	648	648	647	641	638	637	633	638	639
24	648	648	651	650	646	645	647	647	646	637	632	628	626	625	627
25*	648	650	647	647	646	647	649	648	649	648	647	644	641	635	634
26	652	654	652	651	647	647	647	645	643	642	638	637	637	640	642
27	648	651	653	651	649	649	651	643	639	636	635	637	628	631	636
28	648	649	650	652	649	649	649	643	638	638	643	647	641	639	644
29	651	652	654	654	656	652	653	651	647	646	640	638	635	644	650
Mean.....	634	635	636	637	637	637	638	635	630	626	623	623	624	626	629
Mean*.....	633	634	634	636	636	636	637	634	629	625	622	623	626	626	628

* The mean hourly values given on the bottom line are derived from the "quiet days" indicated by asterisks.

JANUARY, 1908.

33500₇ PLUS TABULAR QUANTITIES.

16 ^h	17 ^h	18 ^h	19 ^h	20 ^h	21 ^h	22 ^h	23 ^h	24 ^h	Mean	Maximum			Minimum			Range	Day
<i>γ</i>	<i>γ</i>	<i>γ</i>	<i>γ</i>	<i>γ</i>	<i>γ</i>	<i>γ</i>	<i>γ</i>	<i>γ</i>	<i>γ</i>	<i>h</i>	<i>m</i>	<i>γ</i>	<i>h</i>	<i>m</i>	<i>γ</i>	<i>γ</i>	
616	617	614	614	613	612	614	619	621	617	3	45	627	13	16	604	23	1
622	623	624	621	620	618	618	619	619	619	2	13	627	11	18	607	20	2
616	617	619	622	620	619	620	620	621	618	4	52	633	13	40	600	33	3
619	618	618	619	623	621	616	616	619	621	5	19	632	12	46	611	21	4
613	617	618	622	625	622	620	617	617	620	7	30	631	13	30	609	22	5
623	625	621	622	622	620	621	624	625	623	7	11	631	13	52	616	15	6
611	616	614	615	617	619	622	623	627	619	7	17	630	13	48	605	25	7
621	620	618	616	613	611	610	610	628	623	3	00	635	21	15	606	29	8
624	617	622	622	623	623	626	628	632	623	5	33	639	11	55	595	44	9
620	616	617	620	621	625	628	629	630	622	0	00	632	13	48	611	21	10
622	617	623	622	622	614	624	627	629	623	1	48	630	14	06	613	17	11
620	621	620	617	615	622	619	619	621	622	2	16	631	13	00	613	18	12
623	623	622	620	618	615	617	619	622	619	2	52	624	11	14	609	15	13
617	617	618	616	614	615	616	619	621	618	3	54	629	11	18	604	25	14
620	621	621	620	618	614	615	615	618	620	7	44	628	12	20	604	24	15
612	614	618	617	616	615	614	615	615	616	7	00	629	11	00	602	27	16
616	618	621	621	622	620	620	620	620	619	4	52	626	11	00	608	18	17
614	617	617	621	620	620	619	619	619	618	7	12	629	11	00	606	23	18
618	621	623	623	623	621	620	620	620	619	7	15	625	12	27	603	22	19
615	618	621	622	622	622	622	621	621	618	6	36	628	11	15	604	24	20
612	614	616	617	617	620	622	622	623	617	7	20	627	11	28	600	27	21
610	611	615	617	617	617	617	617	618	617	7	00	627	11	24	602	25	22
613	611	612	612	613	612	613	614	615	615	6	00	622	10	00	608	14	23
615	613	614	612	613	615	615	620	620	613	6	40	622	10	45	598	24	24
616	615	615	616	615	615	617	618	620	617	5	27	625	10	35	610	15	25
617	617	616	617	617	617	619	622	624	618	24	00	624	9	38	602	22	26
618	616	610	603	615	623	625	625	630	620	23	51	631	19	00	603	28	27
614	613	612	614	614	613	612	616	617	619	2	13	633	22	13	609	24	28
617	617	620	621	622	621	621	624	628	616	24	00	628	12	18	594	34	29
618	615	618	620	618	615	615	617	619	621	4	54	633	12	00	611	22	30
613	620	623	622	618	620	622	622	624	618	5	07	628	12	00	603	25	31
617	617	618	618	618	618	619	620	622	619							23	
616	618	619	619	618	617	618	619	620	618							23	

FEBRUARY, 1908.

33500₇ PLUS TABULAR QUANTITIES.

628	629	626	628	626	625	625	625	625	625	5	38	632	10	00	612	20	1
624	626	626	625	624	622	620	619	619	621	6	00	631	12	00	602	29	2
624	618	627	630	629	628	627	623	622	622	19	00	630	10	34	609	21	3
620	626	628	627	629	623	622	627	630	625	7	40	638	12	17	607	31	4
615	613	622	616	619	630	632	630	628	622	4	33	637	13	52	609	28	5
617	622	626	631	635	637	634	632	633	627	6	32	641	15	30	609	32	6
621	621	620	623	623	627	626	627	628	624	2	03	636	13	24	604	32	7
618	618	619	621	621	622	622	626	628	623	12	18	629	11	05	614	15	8
630	629	623	623	624	623	623	626	627	624	16	00	630	11	33	608	22	9
621	620	621	620	617	614	619	624	626	622	1	00	629	20	45	612	17	10
634	627	632	627	622	618	619	622	626	624	15	56	634	11	24	609	25	11
622	621	623	625	626	621	624	623	628	627	2	38	643	16	41	616	27	12
625	625	627	628	626	624	624	624	627	625	2	54	638	12	00	609	29	13
630	632	631	630	630	630	628	628	629	626	6	52	633	11	56	606	27	14
632	634	634	634	632	630	629	629	629	630	6	42	638	11	44	612	26	15
633	633	635	635	634	630	630	632	637	632	7	42	640	11	22	624	16	16
633	633	633	633	632	632	632	634	635	633	6	40	643	11	00	623	20	17*
634	633	634	634	636	636	637	637	636	634	7	00	641	11	15	626	15	18
636	638	634	634	634	637	637	637	636	635	7	00	641	11	40	622	19	19
633	634	635	638	638	638	639	639	638	636	7	17	640	11	22	631	9	20
630	634	637	640	640	640	640	640	641	637	7	33	644	14	03	627	17	21
634	635	635	635	640	642	649	650	646	639	7	45	651	11	33	621	30	22
639	637	638	639	640	636	637	646	650	642	7	20	652	13	18	631	21	23
629	631	637	637	637	638	642	643	647	639	3	46	652	13	44	624	28	24
640	639	639	638	639	637	638	643	649	643	2	00	650	14	44	633	17	25
639	638	642	642	642	642	642	642	646	644	1	45	654	12	51	635	19	26
638	642	641	640	638	639	640	643	645	642	3	05	653	13	11	625	28	27
645	646	648	648	645	645	646	647	650	646	3	17	652	9	27	637	15	28
644	649	654	651	650	652	661	652	651	649	22	00	661	12	36	632	29	29
630	630	632	632	632	632	633	633	635	632							23	
631	632	631	632	631	631	633	633	634	631							19	

SEPTEMBER, 1907.

28500γ PLUS TABULAR QUANTITIES.

Day	1 ^h	2 ^h	3 ^h	4 ^h	5 ^h	6 ^h	7 ^h	8 ^h	9 ^h	10 ^h	11 ^h	Noon	13 ^h	14 ^h	15 ^h
1*	γ 627	γ 626	γ 627	γ 624	γ 624	γ 626	γ 626	γ 628	γ 627	γ 627	γ 621	γ 617	γ 616	γ 613	γ 615
2*	623	623	624	626	625	626	632	638	638	635	630	621	615	603	600
3*	626	627	627	627	630	630	635	634	634	640	640	644	638	638	635
4*	630	631	631	628	628	621	630	638	645	651	650	647	638	622	605
5	624	630	628	628	627	629	632	647	655	653	651	644	639	632	630
6	624	625	631	629	627	633	628	624	625	625	626	624	624	629	630
7*	630	631	631	625	625	627	627	620	625	637	647	648	642	637	630
8*	630	629	630	630	628	630	630	632	632	638	640	634	633	629	629
9	633	632	633	632	633	632	632	629	620	618	619	621	624	629	630
10	645	649	647	650	653	656	661	651	632	602	593	591	576	559	563
11	600	597	594	599	602	591	592	589	591	587	588	588	580	571	570
12	591	585	586	589	591	595	603	596	588	579	564	553	550	540	548
13	592	596	599	602	600	603	605	604	603	603	604	597	606	616	616
14	614	615	615	616	617	618	618	620	627	634	636	633	631	627	623
15	---	---	---	---	---	---	---	638	639	634	632	633	639	641	636
16	631	629	633	635	625	618	624	626	636	652	645	652	628	630	628
17	623	628	626	628	644	649	659	664	676	665	647	590	582	613	616
18	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
19	610	609	615	609	614	613	612	614	625	633	635	635	629	608	607
20	623	615	613	615	615	616	617	621	629	630	628	631	628	630	624
21*	609	614	614	616	616	619	628	637	642	641	645	639	636	625	608
22*	623	621	620	622	620	620	623	629	635	644	648	648	644	633	624
23*	622	622	621	623	625	626	624	619	621	624	630	636	635	629	620
24	629	629	629	630	629	630	627	616	608	614	625	628	633	636	631
25	631	631	634	637	638	636	637	632	630	633	633	630	624	612	605
26	616	615	619	625	627	626	624	613	615	615	618	634	647	642	628
27*	612	612	610	612	612	611	612	614	618	620	627	628	626	623	620
28	617	616	618	621	621	628	634	634	632	627	623	615	619	609	603
29	616	618	622	623	629	634	633	636	631	637	639	643	638	635	627
30	623	621	626	632	636	637	635	636	634	612	625	639	631	617	597
Mean.....	621	620	622	623	623	624	626	625	626	626	627	626	623	617	616
Mean*....	623	624	624	623	623	624	627	629	632	636	638	636	632	625	619

OCTOBER, 1907.

28500γ PLUS TABULAR QUANTITIES.

1	605	604	608	605	607	615	608	603	602	599	608	616	598	596	598
2	600	603	605	610	614	615	613	616	616	617	620	621	622	622	605
3	619	611	612	613	615	613	611	614	616	621	628	633	633	622	617
4*	607	611	611	611	614	613	607	601	600	606	614	624	622	614	609
5*	616	615	614	615	617	617	617	618	624	628	639	638	635	628	617
6*	617	617	619	620	620	618	618	618	627	636	638	640	635	627	618
7*	618	619	619	621	622	624	622	615	609	613	624	631	631	628	624
8	626	626	628	629	629	626	622	613	610	616	623	616	616	608	601
9	596	604	611	611	615	613	609	604	609	618	618	621	616	607	606
10	612	621	617	617	618	618	619	618	623	633	639	640	634	607	625
11	617	617	617	618	622	618	618	617	621	626	633	634	634	622	611
12*	621	622	624	625	625	626	634	640	641	641	645	643	639	633	623
13	625	624	628	644	642	651	661	635	671	669	662	640	607	588	591
14	594	599	603	610	610	610	609	613	618	593	600	597	575	561	548
15	582	588	594	602	583	580	584	592	596	590	597	597	580	594	585
16	586	588	599	596	599	597	595	588	596	599	589	596	595	594	587
17*	589	590	591	595	594	595	593	591	599	603	607	608	607	599	593
18*	594	593	594	595	596	597	598	601	604	601	595	591	591	585	580
19*	600	601	603	604	604	604	609	612	611	611	616	620	617	608	602
20*	603	604	603	607	605	608	609	611	615	614	610	608	601	598	593
21	602	603	603	606	608	609	615	617	617	616	616	612	605	592	585
22	605	606	603	605	597	595	594	616	600	583	566	569	570	554	536
23	572	576	578	583	583	582	586	592	597	599	601	600	599	583	585
24	594	596	595	595	594	593	597	602	600	607	609	605	605	599	594
25	604	604	604	605	610	608	606	605	610	609	602	596	590	583	569
26	586	589	595	594	596	601	603	602	608	604	600	600	592	582	579
27	600	594	602	609	611	615	618	614	601	578	564	556	561	562	544
28	579	581	585	588	590	593	602	606	612	614	613	614	610	604	592
29	589	595	601	610	620	608	612	612	618	614	604	600	598	585	558
30	596	589	595	595	595	594	595	600	613	619	622	616	604	588	583
31*	601	602	605	605	607	606	603	603	608	617	623	620	614	607	596
Mean.....	602	603	605	608	608	608	609	609	613	613	614	613	608	600	592
Mean*....	607	607	608	610	610	611	611	611	614	617	621	622	619	613	606

* The mean hourly values given on the bottom line are derived from the "quiet days" indicated by asterisks.

SEPTEMBER, 1907.

28500 γ PLUS TABULAR QUANTITIES.

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean	Maximum			Minimum			Range	Day
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h	m	γ	h	m	γ	γ	
621	620	622	625	625	624	622	619	620	623	2	33	628	13	54	613	15	1
611	620	622	623	623	623	624	624	624	623	8	00	638	14	38	597	41	2
634	638	633	626	628	627	627	630	628	632	12	00	644	18	50	622	22	3
611	616	624	628	627	627	622	623	620	629	10	08	652	14	55	603	49	4
627	621	622	624	628	629	633	630	621	633	9	18	655	17	42	618	37	5
624	624	627	623	626	621	627	628	630	626	6	00	633	12	33	621	12	6
626	625	628	633	631	632	631	631	631	631	11	15	648	8	15	619	29	7
633	631	630	628	628	629	629	631	631	631	10	47	640	19	24	626	14	8
632	631	633	635	636	635	649	645	643	632	22	05	650	10	13	617	33	9
554	533	540	550	566	575	594	599	607	606	7	09	661	17	10	521	140	10
567	566	564	566	571	573	560	577	580	582	0	00	607	22	06	559	48	11
558	571	580	584	583	586	589	588	589	579	6	45	605	13	51	539	66	12
608	601	599	601	606	609	609	610	610	604	14	33	619	0	22	588	31	13
618	615	622	635	634	634	632	631	634	604	10	42	636	0	00	610	26	14
633	631	632	635	634	634	632	631	634	616	14	00	641	17	00	631	10	15
619	619	620	615	617	623	625	624	620	628	10	44	653	17	23	613	40	16
604	592	590	596	591	598	600	600	600	616	9	30	679	12	59	577	102	17
603	598	593	595	591	614	604	607	611	615	11	34	619	17	41	586	33	18
602	604	607	608	606	614	612	614	627	616	11	15	636	15	41	598	38	19
608	602	602	606	603	606	607	604	600	616	9	49	632	17	52	597	35	20
602	604	609	613	616	620	620	620	625	622	11	00	645	0	00	600	45	21
620	618	619	620	620	619	622	621	622	626	11	17	648	18	30	618	30	22
617	620	623	624	626	627	628	628	629	625	12	11	637	16	18	616	21	23
628	628	629	632	633	632	633	634	632	628	13	30	635	9	24	607	28	24
604	603	608	610	610	612	615	618	617	622	6	42	638	17	00	603	35	25
622	623	610	604	588	584	610	593	594	616	13	03	648	20	27	579	69	26
619	619	617	616	617	616	616	616	615	617	11	56	628	0	00	594	34	27
609	614	619	619	620	614	612	618	618	619	8	36	637	14	49	601	36	28
622	625	626	628	628	627	625	626	623	629	12	00	643	0	54	613	30	29
582	578	577	604	608	609	605	605	606	616	12	13	643	17	51	576	67	30
610	610	611	613	614	615	617	618	618	620							41	
619	621	623	624	624	624	624	624	624	626							30	

OCTOBER, 1907.

28500 γ PLUS TABULAR QUANTITIES.

601	603	609	610	606	601	628	602	599	605	21	43	635	13	38	592	43	1
599	601	610	610	610	598	608	609	607	610	11	33	625	15	40	592	33	2
610	609	611	613	613	613	611	607	610	616	12	28	635	23	36	606	29	3
610	608	611	610	613	610	612	612	613	611	12	00	624	8	48	598	26	4
610	612	612	613	615	615	615	617	616	619	11	28	641	16	00	610	31	5
616	615	618	620	621	619	620	619	619	622	11	24	640	15	54	615	25	6
621	625	626	627	626	628	626	623	626	623	12	51	631	9	12	608	23	7
604	604	581	578	571	580	594	596	598	608	4	48	629	20	30	568	61	8
603	600	606	608	610	611	611	612	609	610	11	53	622	0	57	594	28	9
621	614	603	610	617	620	618	615	612	620	12	00	640	18	00	603	37	10
609	604	614	619	620	621	618	620	620	620	11	32	636	17	00	604	32	11
615	619	623	622	621	617	617	623	621	628	10	31	645	21	24	615	30	12
566	563	572	575	572	595	572	564	579	612	8	41	675	17	11	558	117	13
535	535	526	533	543	577	567	570	587	580	8	45	621	18	36	524	97	14
562	554	572	584	587	593	583	585	586	585	3	55	603	16	39	528	75	15
586	583	585	589	590	592	588	587	590	591	9	41	601	17	00	583	18	16
589	588	591	591	592	593	594	592	593	595	12	33	611	17	30	587	24	17
583	592	599	600	600	600	600	599	600	595	9	15	605	15	00	580	25	18
597	596	598	599	598	599	599	600	604	605	11	04	621	16	53	595	26	19
587	596	597	595	599	593	589	589	599	601	10	37	616	15	55	586	30	20
594	597	599	602	607	609	602	602	600	605	8	00	617	15	13	584	33	21
541	559	569	573	568	577	578	567	576	579	8	15	619	15	23	534	85	22
590	593	593	590	589	591	591	593	592	589	13	19	604	1	06	572	32	23
592	593	594	596	599	598	598	599	604	598	10	47	610	16	32	590	20	24
573	585	585	580	583	588	587	587	585	594	9	05	614	15	27	563	51	25
583	589	594	592	594	595	595	594	599	594	9	00	608	15	29	575	33	26
540	538	545	542	556	547	563	572	576	575	6	42	622	19	41	537	85	27
586	586	588	591	588	590	587	586	588	585	11	21	616	0	00	576	40	28
567	567	584	590	590	591	596	592	604	596	4	57	621	15	17	552	69	29
585	596	598	597	598	599	602	601	598	599	10	42	623	15	20	582	41	30
595	601	604	605	605	604	605	605	603	606	11	09	623	15	39	594	29	31
589	591	594	596	597	599	599	598	600	603							43	
602	605	608	608	609	608	608	608	609	611							27	

NOVEMBER, 1907.

28500γ PLUS TABULAR QUANTITIES.

Day	1 ^h	2 ^h	3 ^h	4 ^h	5 ^h	6 ^h	7 ^h	8 ^h	9 ^h	10 ^h	11 ^h	Noon	13 ^h	14 ^h	15 ^h
1*	606	604	606	608	609	610	610	614	619	617	613	612	612	609	605
2	617	618	613	614	620	626	629	634	638	637	(637)	(632)	(625)	(617)	(608)
3	615	603	626	614	618	611	604	600	598	595	584	571	580	578	565
4	549	557	560	572	575	578	590	599	604	610	(610)	(606)	(600)	(532)	(584)
5*	590	589	593	596	598	598	598	597	601	605	603	601	598	588	578
6	590	596	597	599	600	600	608	615	619	623	627	622	614	604	598
7	606	608	612	613	613	614	626	632	636	635	632	623	621	618	608
8	617	601	602	604	606	608	616	624	630	630	628	620	606	591	589
9	603	605	607	609	611	613	618	623	627	629	630	629	622	617	599
10	588	598	601	600	603	599	606	604	599	580	558	545	533	547	563
11	585	587	590	593	594	594	599	596	591	590	585	566	557	548	555
12	568	575	578	584	588	590	596	595	597	595	596	594	594	594	587
13	592	593	594	598	599	599	603	607	608	605	610	611	601	597	596
14	602	604	606	610	611	613	615	612	613	611	609	607	606	603	601
15*	604	606	606	611	613	612	619	614	613	609	618	618	616	609	609
16*	607	604	606	606	608	606	616	619	628	631	634	636	627	620	614
17*	599	600	600	604	605	608	617	625	628	629	627	621	614	607	598
18*	608	608	606	608	607	611	619	624	627	631	625	622	620	610	598
19*	600	600	600	601	601	606	616	621	620	622	617	608	603	599	594
20*	609	609	610	611	610	612	616	618	618	616	616	613	610	605	602
21	612	612	613	614	615	616	635	623	606	579	578	543	534	518	539
22	570	572	573	581	573	574	578	570	567	567	561	551	537	545	550
23	574	572	574	578	581	583	589	591	585	580	585	583	574	570	567
24	588	587	589	591	592	595	597	597	598	597	593	592	593	596	588
25*	596	598	599	598	599	601	604	606	602	601	597	592	593	595	597
26	605	606	609	617	622	629	624	627	627	625	625	612	603	605	608
27	604	605	610	613	617	624	631	629	622	624	619	620	614	611	612
28	607	610	610	612	616	616	622	620	616	612	608	606	605	606	603
29*	610	608	611	613	615	617	620	624	626	626	625	619	616	617	616
30	613	615	617	620	621	620	623	621	616	610	610	615	618	615	615
Mean.....	598	598	601	603	605	606	611	613	613	611	609	603	598	594	592
Mean*.....	603	603	604	606	606	608	614	616	618	619	618	614	611	606	601

DECEMBER, 1907.

28500γ PLUS TABULAR QUANTITIES.

1*	613	615	615	618	621	624	632	639	645	652	651	646	636	629	623
2*	613	614	617	617	619	621	626	628	630	628	624	623	623	621	614
3*	615	616	617	619	622	625	630	628	626	621	623	626	629	627	624
4	620	629	631	637	636	636	647	646	641	638	638	632	631	632	632
5	618	607	602	608	605	608	618	626	626	627	623	615	613	612	617
6	605	607	609	612	612	615	628	632	632	626	621	609	611	608	611
7	620	620	616	628	626	626	627	630	631	626	646	650	641	634	626
8	595	595	596	599	601	601	615	624	623	623	620	612	606	610	608
9*	604	606	607	609	611	613	619	629	631	630	630	624	620	616	611
10	615	617	618	618	620	621	627	636	642	639	633	633	623	598	587
11	596	600	605	610	612	617	621	626	625	624	620	618	604	575	571
12	587	590	607	600	602	606	608	609	600	587	582	594	587	605	608
13	591	595	598	598	597	600	605	607	605	604	598	592	572	573	583
14*	597	596	597	604	605	607	610	609	610	612	612	610	605	598	597
15*	602	603	605	605	606	607	615	616	616	611	607	608	604	601	600
16	604	601	602	604	606	608	611	610	607	605	603	604	603	596	597
17	590	594	594	596	598	605	609	616	615	606	599	598	598	595	596
18	600	601	599	598	600	601	608	611	608	602	599	601	604	607	606
19	604	606	607	608	610	617	627	627	619	620	618	614	620	625	626
20	611	614	603	621	608	613	615	620	620	613	611	609	610	604	599
21	603	605	605	606	608	611	616	621	620	612	595	584	589	593	602
22*	605	603	602	603	606	609	617	619	612	611	608	599	600	601	602
23*	605	607	608	611	612	613	616	618	613	613	613	609	607	605	609
24*	613	614	618	619	622	623	629	633	630	619	610	609	611	617	620
25*	610	613	616	618	619	618	622	624	625	624	626	627	620	621	629
26	610	610	613	618	620	623	630	633	619	610	606	604	608	614	611
27	601	604	601	615	618	621	620	625	622	621	623	625	627	634	631
28	601	603	605	608	611	613	623	629	625	619	611	607	606	610	613
29	600	601	602	605	604	608	616	624	621	619	610	606	609	609	610
30	600	599	602	614	614	610	615	616	605	603	596	599	599	597	594
31	600	599	603	603	603	605	611	617	617	613	611	605	605	609	605
Mean.....	605	606	607	611	611	614	620	623	621	618	615	613	610	609	608
Mean*.....	608	609	610	612	614	616	622	624	624	622	620	618	616	614	613

* The mean hourly values given on the bottom line are derived from the "quiet days" indicated by asterisks.

NOVEMBER, 1907.

28500₇ PLUS TABULAR QUANTITIES

16 ^h	17 ^h	18 ^h	19 ^h	20 ^h	21 ^h	22 ^h	23 ^h	24 ^h	Mean	Maximum			Minimum			Range	Day
<i>γ</i>	<i>γ</i>	<i>γ</i>	<i>γ</i>	<i>γ</i>	<i>γ</i>	<i>γ</i>	<i>γ</i>	<i>γ</i>	<i>γ</i>	<i>h</i>	<i>m</i>	<i>γ</i>	<i>h</i>	<i>m</i>	<i>γ</i>	<i>γ</i>	
605	609	610	611	619	617	612	610	613	611	9 00		619	0 00		603	16	1
(604)	619	604	600	603	609	612	619	618	619	9 27		639	18 43		595	44	2
561	545	517	517	499	505	512	521	544	570	3 00		626	20 03		499	127	3
(580)	(580)	582	586	587	586	587	586	589	585	10 00		610	0 11		541	69	4
576	567	570	574	581	582	585	587	590	589	10 00		605	17 00		567	38	5
593	594	599	601	602	603	604	605	605	605	11 00		627	0 55		588	39	6
599	595	598	594	597	604	604	603	602	612	10 10		638	16 29		588	50	7
589	589	594	595	594	595	605	603	604	606	9 26		631	16 37		584	47	8
593	594	590	587	584	585	588	589	585	606	11 36		631	20 39		583	48	9
562	569	577	582	582	577	577	578	584	580	2 24		614	13 23		530	84	10
551	545	545	548	560	554	556	563	566	572	7 23		600	18 05		544	56	11
581	583	590	588	587	587	588	593	590	588	9 09		599	0 30		566	33	12
595	598	603	600	595	591	595	598	599	599	11 57		611	0 00		590	21	13
598	593	593	598	603	608	607	606	603	606	7 14		616	17 36		591	25	14
607	610	611	615	614	609	606	605	608	611	7 19		620	0 00		603	17	15
609	608	606	604	589	591	593	595	596	611	11 27		637	20 17		588	49	16
596	601	604	605	607	610	608	607	607	609	9 54		631	15 12		596	35	17
593	589	595	594	596	599	599	599	599	608	10 10		634	17 13		588	46	18
593	596	601	604	607	608	607	608	607	606	9 54		622	15 31		593	29	19
603	608	612	612	612	611	611	611	612	611	8 33		618	15 24		601	17	20
527	519	557	555	558	560	561	563	569	575	7 18		639	15 30		496	143	21
558	556	550	561	562	568	569	570	569	564	6 25		587	12 39		529	58	22
570	575	579	583	585	584	584	584	585	580	7 36		592	14 50		566	26	23
586	586	590	593	593	594	594	595	596	592	9 00		598	16 49		584	14	24
599	600	601	603	601	601	600	600	601	599	7 57		607	12 21		590	17	25
605	607	605	604	604	604	603	611	609	612	6 04		629	0 00		601	28	26
616	615	614	612	610	606	609	605	606	614	7 18		633	1 33		598	35	27
603	604	607	598	605	604	605	606	608	609	7 26		622	19 06		597	25	28
612	613	615	615	613	612	611	611	612	616	9 13		626	1 26		607	19	29
618	620	624	623	622	620	616	613	609	617	18 00		624	24 00		609	15	30
589	590	591	592	592	593	594	595	596	599							42	
599	600	602	604	604	604	603	603	604	607							28	

DECEMBER, 1907.

28500₇ PLUS TABULAR QUANTITIES.

620	622	623	623	620	618	616	613	613	626	10 35		657	0 00		609	48	1
611	611	613	613	612	609	609	610	613	617	9 00		630	21 36		608	22	2
622	(622)	(620)	621	619	619	618	616	618	622	7 12		631	0 00		613	18	3
634	626	625	629	632	632	630	620	628	633	7 15		650	23 15		616	34	4
613	612	617	610	607	603	602	605	602	612	0 25		628	21 48		601	27	5
607	603	613	617	618	617	613	619	619	615	8 33		633	16 38		600	33	6
619	621	611	599	591	579	577	591	596	618	12 20		650	22 33		568	82	7
604	603	602	604	602	601	602	603	602	606	8 43		625	0 42		592	33	8
609	610	611	610	609	609	609	610	612	615	9 00		631	0 00		602	29	9
570	563	566	554	574	574	586	591	591	604	9 31		643	19 06		553	90	10
584	592	594	601	603	601	596	587	580	603	8 20		628	14 26		569	59	11
602	594	594	600	584	573	585	593	591	595	7 55		610	20 52		570	40	12
591	598	592	589	597	595	596	596	597	595	7 47		607	13 05		570	37	13
597	596	600	604	606	605	603	603	602	604	10 06		612	16 24		595	17	14
597	597	602	603	604	601	600	602	602	605	7 20		617	16 33		595	22	15
599	595	595	596	595	588	590	595	593	600	7 34		611	21 42		584	27	16
594	591	596	602	605	604	598	600	598	600	8 35		617	1 13		590	27	17
604	601	598	595	599	599	598	602	602	602	8 00		611	18 50		594	17	18
618	615	613	605	605	601	605	602	605	613	7 38		628	22 49		600	28	19
595	597	600	600	602	602	603	602	601	607	4 09		622	16 21		594	28	20
606	604	603	601	597	602	603	602	605	604	8 46		622	12 10		583	39	21
606	606	607	605	606	606	604	604	603	606	7 50		619	12 20		597	22	22
614	618	617	617	618	617	616	614	613	613	7 57		619	0 00		603	16	23
623	626	625	624	619	614	614	607	610	619	7 51		635	23 20		607	28	24
616	617	618	616	616	617	619	615	610	619	15 00		629	23 47		609	20	25
609	609	609	609	606	600	603	604	606	612	7 55		633	21 12		597	36	26
622	621	625	615	611	609	606	605	605	617	14 27		635	1 15		600	35	27
614	609	602	597	600	598	600	600	601	609	7 50		630	20 32		592	38	28
609	607	609	610	607	606	607	607	602	609	8 12		624	1 00		600	24	29
598	601	601	599	598	596	594	597	601	602	7 41		619	15 00		594	25	30
603	602	601	600	601	601	605	604	606	605	8 18		618	19 25		597	21	31
607	606	607	605	605	603	603	604	604	610							33	
612	612	614	614	613	612	611	609	610	614							24	

JANUARY, 1908.

28500r PLUS TABULAR QUANTITIES.

Day	1 ^h	2 ^h	3 ^h	4 ^h	5 ^h	6 ^h	7 ^h	8 ^h	9 ^h	10 ^h	11 ^h	Noon	13 ^h	14 ^h	15 ^h
1*	601	603	603	607	610	613	622	628	626	625	626	625	614	601	604
2	603	613	612	611	612	610	616	617	615	604	597	598	592	582	579
3	608	605	605	604	607	614	618	627	623	611	604	605	603	596	600
4	599	601	602	601	604	606	612	612	603	595	591	591	585	592	597
5	593	596	601	601	602	602	610	616	616	611	609	606	587	577	585
6	578	584	584	590	593	595	603	606	606	604	601	594	591	588	588
7	593	592	595	596	599	601	605	605	597	587	586	594	595	583	578
8	551	553	564	567	571	577	586	592	587	582	577	578	588	581	581
9	549	544	550	565	570	586	592	592	592	582	561	548	575	582	575
10	576	576	576	575	578	581	586	595	593	593	586	581	573	572	579
11	584	585	586	587	590	593	600	606	609	609	611	611	597	586	589
12	586	585	587	588	593	596	596	609	608	604	605	606	590	590	593
13*	588	590	588	591	592	593	595	594	591	588	590	586	577	576	579
14*	589	588	590	599	599	602	608	617	620	618	611	602	597	596	596
15*	592	596	596	597	599	599	606	618	617	613	606	594	592	595	593
16*	590	592	598	598	601	604	611	617	620	611	611	621	619	606	600
17*	598	598	597	597	602	602	606	610	607	601	594	595	592	586	587
18*	598	595	595	596	596	597	607	617	617	617	619	612	608	600	592
19*	596	597	595	596	599	600	605	611	609	605	598	590	582	582	580
20*	600	600	601	602	602	601	609	618	616	611	619	620	621	619	614
21	603	601	603	601	610	607	614	619	615	600	596	584	579	581	586
22*	589	591	594	597	598	599	606	612	610	602	602	612	611	608	605
23	598	597	599	600	607	607	608	608	607	602	601	597	596	599	601
24	598	593	595	599	596	594	603	606	608	603	600	592	587	589	596
25	578	574	580	586	589	594	596	599	595	589	585	584	585	590	586
26	580	580	578	580	583	586	591	595	593	587	585	583	577	578	581
27	588	588	588	590	593	593	598	602	598	606	604	603	605	608	604
28	593	597	597	601	606	603	607	612	603	599	598	600	599	596	590
29	603	598	580	581	578	586	591	591	586	578	577	577	565	562	565
30	574	576	577	576	577	583	590	597	596	593	588	581	578	576	580
31	585	585	586	587	588	590	597	602	596	579	580	577	584	588	589
Mean....	589	589	590	592	595	597	603	608	606	600	597	595	592	589	589
Mean*....	594	595	596	598	600	601	608	614	613	609	608	606	601	597	595

FEBRUARY, 1908.

28500r PLUS TABULAR QUANTITIES.

1*	587	587	587	588	590	592	597	597	594	586	582	578	572	582	587
2	586	589	590	592	592	594	594	589	582	579	585	582	575	577	580
3	600	600	603	602	604	605	605	610	603	582	582	579	581	561	567
4	576	574	571	576	582	577	582	594	595	580	589	581	576	580	580
5	578	577	577	580	586	585	589	595	590	579	591	587	574	575	578
6	560	573	582	578	579	583	602	598	598	589	578	553	552	566	562
7	575	582	579	580	578	579	585	587	584	576	582	588	573	567	565
8*	576	572	575	578	578	581	588	591	590	585	580	573	578	577	577
9*	588	586	589	591	590	587	591	595	594	(587)	(581)	(574)	572	556	565
10	583	583	585	585	587	590	595	606	608	598	583	578	586	592	587
11	587	587	595	597	598	605	616	617	607	597	585	568	555	544	550
12	563	570	585	577	577	584	597	594	600	592	589	583	572	572	574
13	576	577	581	583	583	586	596	605	606	599	595	587	581	579	578
14*	584	585	588	591	593	595	601	607	607	596	581	571	575	569	570
15*	584	585	586	587	591	593	605	613	614	612	604	595	599	600	597
16	593	595	588	589	588	589	594	604	606	601	605	601	592	589	589
17*	582	582	586	588	590	592	598	600	596	589	583	586	594	593	590
18	589	588	591	589	588	589	592	588	582	579	580	585	590	593	591
19*	594	595	594	596	597	597	597	599	593	593	592	592	595	598	595
20*	587	588	591	593	594	593	595	600	600	599	598	598	598	603	600
21*	588	588	588	590	591	593	598	603	603	602	601	602	602	608	613
22	596	597	598	598	600	602	607	634	634	643	615	599	594	574	555
23	573	582	569	569	572	587	588	600	599	599	597	593	580	587	594
24	575	575	613	598	601	603	607	619	628	618	608	608	607	597	590
25*	578	584	584	586	586	588	597	601	605	605	598	597	599	593	589
26	575	581	583	585	587	588	596	602	602	597	600	605	606	605	597
27	577	583	587	587	589	591	597	601	605	607	604	602	574	580	585
28	587	590	587	591	592	592	598	600	601	594	586	587	587	586	586
29	592	591	591	593	594	598	602	609	619	635	629	622	598	586	579
Mean....	582	584	587	587	589	591	597	602	602	596	593	588	584	582	582
Mean*....	585	585	587	589	590	591	597	601	600	595	590	587	588	588	588

* The mean hourly values given on the bottom line are derived from the "quiet days" indicated by asterisks.

JANUARY, 1908.

285007 PLUS TABULAR QUANTITIES.

16 ^h	17 ^h	18 ^h	19 ^h	20 ^h	21 ^h	22 ^h	23 ^h	24 ^h	Mean	Maximum			Minimum			Range	Day
<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>r</i>	
601	602	603	602	601	594	596	600	603	609	8	32	629	21	20	592	37	1
582	583	589	592	598	598	603	604	605	601	8	09	618	15	17	576	42	2
600	597	595	600	599	599	599	599	600	605	8	12	628	13	38	593	35	3
603	600	597	593	597	599	592	590	594	598	7	43	613	13	00	585	28	4
582	580	578	578	587	585	581	584	578	594	8	31	617	17	46	575	42	5
591	597	595	599	598	594	588	589	593	594	7	42	608	0	00	578	30	6
570	576	571	567	560	552	548	545	545	581	7	54	606	22	34	542	64	7
584	588	588	589	577	563	543	530	542	572	8	13	592	22	56	529	63	8
578	567	575	577	579	574	574	574	578	572	8	25	595	0	00	542	53	9
579	573	567	570	572	578	581	580	582	579	8	12	596	18	41	562	34	10
585	578	581	584	584	585	584	584	585	591	11	45	613	16	52	574	39	11
587	586	586	584	584	590	588	588	587	592	8	13	611	19	40	581	30	12
580	586	591	595	596	592	589	587	591	589	20	00	596	13	31	575	21	13
595	596	599	595	595	593	591	592	594	599	8	55	621	2	00	588	33	14
591	590	592	595	595	595	594	589	589	598	8	30	620	23	24	587	33	15
594	593	597	599	600	600	598	597	596	603	9	09	621	0	00	589	32	16
581	576	583	587	593	593	592	591	591	594	8	00	610	17	09	576	34	17
594	588	582	589	592	594	594	594	594	599	10	27	620	17	54	581	39	18
586	592	595	596	597	598	597	600	600	596	8	00	611	14	53	579	32	19
609	603	601	601	599	601	602	602	602	607	11	33	621	19	53	599	22	20
582	586	590	587	581	583	582	581	583	594	8	15	620	13	08	577	43	21
602	601	601	602	602	600	597	598	598	602	8	24	613	0	00	583	30	22
605	606	610	610	618	612	609	605	602	604	20	00	618	12	54	595	23	23
597	593	594	592	589	587	594	591	589	595	9	08	609	13	26	582	27	24
587	587	588	590	588	582	580	580	576	586	7	53	599	1	10	572	27	25
587	588	590	589	589	586	585	586	586	585	7	44	595	13	32	576	19	26
607	604	589	551	561	575	578	578	584	591	14	07	609	19	10	547	62	27
587	589	592	594	592	590	590	589	590	596	7	20	613	22	27	583	30	28
556	556	560	563	570	573	572	574	574	576	0	45	606	16	25	552	54	29
577	567	574	581	583	584	583	582	582	581	8	24	597	17	12	566	31	30
583	582	583	582	575	578	582	583	585	585	7	35	603	20	03	575	28	31
588	587	588	588	589	588	587	586	587	593							36	
593	593	594	596	597	596	595	595	596	600							31	

FEBRUARY, 1908.

285007 PLUS TABULAR QUANTITIES.

586	584	580	581	584	583	586	584	586	586	7	28	598	12	56	570	28	1
583	586	592	595	597	596	598	598	598	589	22	00	598	13	20	574	24	2
566	537	559	569	575	574	571	579	569	583	8	00	610	17	00	537	73	3
572	(573)	(575)	(578)	580	572	555	563	570	577	8	30	598	22	06	554	44	4
564	545	558	596	539	557	566	565	558	572	8	12	596	19	32	531	65	5
551	542	542	539	554	566	568	565	568	569	8	25	603	18	23	533	70	6
564	560	559	568	565	577	573	572	571	575	12	17	592	13	20	552	40	7
568	567	575	579	582	581	582	586	586	579	7	59	591	16	36	566	25	8
566	573	573	575	578	579	579	580	580	580	8	12	595	14	00	556	39	9
585	582	588	590	582	573	578	583	584	587	8	36	609	20	51	572	37	10
555	553	578	577	575	570	579	571	566	580	7	17	618	16	40	539	79	11
569	556	558	563	569	569	574	571	575	576	7	12	601	16	43	553	48	12
576	579	583	584	584	580	581	583	583	585	8	45	606	0	28	570	36	13
578	584	586	587	590	593	591	589	585	587	8	28	607	14	17	568	39	14
594	596	599	598	598	599	601	599	599	598	9	00	614	1	36	583	31	15
579	579	583	583	581	575	573	576	580	589	8	54	606	22	15	571	35	16
593	589	588	586	582	583	584	586	590	589	7	32	601	0	00	580	21	17
589	586	583	580	584	586	592	593	593	588	13	37	593	10	00	579	14	18
589	581	576	569	571	578	581	584	585	589	8	00	599	19	12	569	30	19
593	584	581	583	584	586	587	586	587	592	13	47	605	18	00	581	24	20
614	606	600	598	597	595	594	593	593	598	15	09	618	0	00	587	31	21
559	556	556	537	544	549	568	576	575	586	9	54	646	19	15	529	117	22
594	590	585	585	581	566	548	566	576	582	10	15	600	22	00	548	52	23
575	568	570	572	568	569	571	569	573	591	8	45	639	17	20	563	76	24
590	588	587	584	584	576	569	569	571	588	9	20	606	22	12	567	39	25
591	583	584	589	592	588	586	582	581	591	12	18	606	0	00	571	35	26
587	589	590	591	591	592	589	589	588	591	10	17	609	13	14	568	41	27
585	584	588	592	592	592	592	589	588	590	9	06	601	16	31	583	18	28
562	563	555	556	553	564	586	572	564	588	10	35	638	18	24	549	89	29
579	575	577	577	578	578	579	580	580	585							45	
587	585	584	584	585	585	585	586	586	589							31	

MARCH, 1908.

28500r PLUS TABULAR QUANTITIES.

Day	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	Noon	13h	14h	15h
1	568	574	574	572	579	587	595	608	614	617	602	597	600	598	546
2	560	566	571	573	584	571	577	594	600	591	577	570	579	578	562
3	573	570	571	569	575	576	586	593	592	587	581	579	582	579	572
4	571	573	576	577	578	579	585	581	583	578	574	564	560	546	551
5	578	582	580	581	583	581	581	590	593	601	609	614	608	604	597
6*	578	579	581	582	587	587	591	594	600	605	600	597	591	590	584
7*	585	589	586	586	587	589	594	600	605	607	607	608	606	604	601
8	584	589	593	597	600	609	606	602	616	615	596	600	603	576	577
9	578	569	592	583	580	577	581	595	588	588	584	575	572	570	566
10	591	585	581	584	584	586	592	605	609	607	610	608	597	590	584
11	583	587	584	583	588	586	590	599	593	601	603	600	589	585	585
12*	579	581	584	585	587	588	594	597	596	596	597	598	599	596	591
13*	584	584	585	586	587	587	599	611	615	619	619	618	614	609	602
14*	590	590	589	591	591	591	595	606	619	626	628	622	616	609	602
15	590	591	591	593	593	594	601	618	628	633	633	628	623	615	608
16	596	605	614	605	591	598	600	600	609	613	604	596	592	577	573
17*	578	575	574	572	575	573	579	584	592	593	593	592	586	582	569
18*	580	580	581	580	580	580	582	582	585	588	589	592	597	597	593
19	577	579	582	585	588	589	587	587	592	601	611	606	610	609	600
20	560	562	563	572	574	576	578	581	601	609	612	609	607	601	594
21	574	573	573	576	579	579	582	579	585	594	602	599	590	592	584
22*	575	576	576	580	584	583	584	584	584	587	601	606	602	592	591
23*	578	580	582	587	586	588	597	602	607	613	622	625	609	601	592
24*	585	588	586	587	590	593	602	613	617	620	615	613	605	597	589
25	566	563	563	571	575	579	586	596	602	611	613	613	610	608	607
26	589	591	593	598	597	593	590	597	601	594	595	594	601	528	452
27	481	498	494	506	519	530	532	530	535	543	519	497	503	523	516
28	497	509	517	525	526	538	523	547	553	555	552	544	525	527	531
29	525	528	536	538	543	544	547	544	542	527	537	544	547	536	536
30	565	566	565	562	567	561	561	560	548	564	573	570	568	568	563
31	556	555	559	555	553	552	553	550	557	558	559	564	562	562	551
Mean.....	570	571	573	574	577	578	582	588	592	595	594	592	588	584	577
Mean*.....	581	582	582	584	585	586	592	597	602	605	607	607	602	598	591

APRIL, 1908.

28500r PLUS TABULAR QUANTITIES.

1	565	561	563	564	562	563	562	573	578	578	579	578	576	576	571
2	555	557	559	560	561	563	563	562	566	573	578	574	577	576	569
3*	570	567	571	571	569	569	567	567	574	575	574	576	578	573	573
4*	564	565	568	570	569	570	577	571	572	576	573	575	573	568	571
5	583	578	579	582	581	585	588	587	582	578	577	579	580	568	558
6	575	576	584	587	590	591	595	600	589	585	583	560	536	520	532
7	565	567	573	578	573	577	588	576	580	577	572	561	570	575	569
8	556	555	547	554	554	556	563	566	570	573	571	567	566	569	574
9	568	569	570	572	578	584	585	586	583	583	581	584	591	593	590
10*	581	576	576	578	577	576	579	582	587	593	594	595	598	594	589
11*	576	576	577	579	580	581	581	579	578	578	578	580	580	583	586
12*	580	580	582	580	581	588	590	591	593	593	595	596	596	595	589
13*	580	577	577	577	579	578	577	577	583	591	595	596	594	589	586
14*	582	583	588	592	592	592	589	588	590	594	599	600	605	606	602
15	574	580	579	574	581	570	574	581	587	592	570	564	544	550	530
16	540	543	548	551	550	557	550	545	545	544	545	547	552	558	563
17	558	561	567	570	564	569	559	552	548	551	548	546	543	544	546
18	561	560	565	564	566	568	570	567	565	570	570	575	577	574	577
19*	571	567	574	574	575	574	570	562	567	576	578	575	569	563	562
20*	571	573	575	575	576	577	580	581	586	590	589	587	587	586	583
21*	575	575	575	576	580	587	591	591	597	610	612	610	604	598	596
22	587	584	583	583	590	584	589	588	605	602	595	582	585	578	571
23	568	570	568	582	580	576	590	594	599	596	588	583	573	552	551
24	569	569	570	575	572	576	584	588	589	586	584	584	566	574	570
25	559	563	567	569	572	580	589	591	593	596	596	585	567	569	571
26	567	563	558	567	566	568	576	585	594	601	597	591	580	567	563
27	560	562	561	566	561	553	556	571	576	576	566	563	554	540	544
28	566	567	566	570	566	565	561	563	568	575	573	575	574	582	585
29	556	562	561	562	565	566	564	561	562	569	570	572	574	573	571
30	571	567	567	568	567	569	573	573	574	575	573	575	578	578	578
Mean.....	568	568	570	572	573	574	576	577	579	582	580	578	575	572	571
Mean*.....	575	574	576	577	578	579	580	579	583	588	589	589	588	586	584

* The mean hourly values given on the bottom line are derived from the "quiet days" indicated by asterisks.

MARCH, 1908.

28500r PLUS TABULAR QUANTITIES.

16 ^h	17 ^h	18 ^h	19 ^h	20 ^h	21 ^h	22 ^h	23 ^h	24 ^h	Mean	Maximum		Minimum		Range	Day
<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>h</i>	<i>m</i>	<i>h</i>	<i>m</i>	<i>r</i>	
540	529	532	539	545	551	560	541	560	572	10	00	617	18	33	1
552	553	548	568	564	581	576	571	570	572	9	05	600	18	13	2
575	574	578	580	580	576	576	600	584	580	23	06	600	14	16	3
560	568	562	569	568	572	583	575	573	571	7	22	587	14	11	4
593	590	586	589	585	578	576	575	579	589	12	07	615	0	09	5
574	571	569	567	576	581	580	579	579	584	10	00	605	18	56	6
594	592	590	584	589	590	589	583	589	594	12	17	609	0	00	7
578	574	563	569	564	570	572	566	572	587	9	31	624	18	07	8
571	569	570	576	571	586	579	594	580	579	8	20	599	15	07	9
581	582	583	583	585	586	584	583	585	590	11	11	613	0	27	10
583	583	585	577	573	580	579	579	577	586	10	53	603	19	34	11
586	583	584	583	584	585	586	585	584	589	12	24	599	0	18	12
594	591	589	590	589	589	592	590	590	597	10	46	620	1	07	13
594	590	589	589	591	591	590	590	590	599	10	52	628	22	51	14
609	600	595	593	591	593	596	602	596	605	10	29	634	0	36	15
573	571	570	562	568	561	564	557	562	586	2	55	616	22	54	16
573	568	570	572	573	572	575	579	578	578	11	09	594	0	14	17
592	590	575	576	577	580	578	578	575	584	13	12	598	19	13	18
594	584	587	582	563	565	576	548	545	585	11	14	612	23	50	19
584	576	561	556	577	562	586	564	573	581	10	54	613	0	00	20
579	577	577	576	582	583	577	573	575	582	11	22	605	23	05	21
588	586	584	580	582	583	585	581	577	585	11	54	606	0	08	22
589	586	587	588	588	586	585	584	585	594	11	54	625	0	43	23
585	582	585	586	583	582	588	587	575	594	10	09	620	24	00	24
605	601	592	584	583	585	587	587	586	591	11	10	614	1	36	25
435	420	...	...	...	421	452	429	486	...	12	20	607	...	...	26
487	475	447	442	505	478	504	501	487	502	9	31	545	19	05	27
528	527	521	510	516	536	530	535	521	529	9	58	556	0	05	28
535	543	543	535	551	562	560	556	552	542	21	00	562	0	00	29
553	553	541	532	539	550	564	554	560	557	11	00	573	19	00	30
551	543	537	531	541	552	558	556	562	553	13	27	566	19	00	31
573	570	567	566	569	572	574	572	571	578						48
587	584	582	582	583	584	585	584	582	590						36

APRIL, 1908.

28500r PLUS TABULAR QUANTITIES.

562	549	551	551	552	551	562	563	556	564	10	40	580	17	16	547	33	1
561	560	563	564	564	566	568	571	567	566	10	48	579	1	24	554	25	2
569	566	563	560	557	568	564	562	561	568	12	38	578	20	11	557	21	3
570	572	579	580	583	584	582	579	572	573	20	54	585	0	07	561	24	4
563	571	573	574	576	578	577	574	572	577	7	43	590	14	42	557	33	5
541	543	552	566	562	564	564	558	568	568	7	37	603	13	38	515	88	6
562	544	536	565	550	541	531	561	543	564	7	12	590	22	03	531	59	7
575	571	569	570	570	570	569	566	567	565	15	49	575	0	31	538	27	8
583	568	570	574	572	570	570	567	570	578	13	40	594	23	02	567	27	9
583	578	576	576	577	576	574	574	575	582	13	00	598	0	00	570	28	10
585	583	582	580	581	581	582	578	577	580	15	00	586	0	00	575	11	11
586	582	580	580	580	580	581	580	575	586	12	00	596	24	00	575	21	12
580	576	578	579	581	581	581	582	581	582	11	30	597	0	00	575	22	13
590	584	579	581	581	582	578	578	574	589	13	51	609	23	26	571	38	14
511	506	498	513	504	513	534	548	540	551	9	46	593	17	42	491	102	15
563	562	559	560	560	565	564	563	556	554	15	48	565	1	07	540	25	16
553	554	552	549	548	564	558	554	570	555	5	50	570	13	00	543	27	17
566	566	572	575	569	574	574	571	569	569	12	34	580	1	50	559	21	18
567	566	572	574	572	570	569	569	571	570	10	54	578	8	05	562	16	19
578	575	575	574	574	575	573	574	574	579	10	25	591	0	00	571	20	20
591	590	589	590	588	586	583	584	587	590	11	00	612	0	00	574	38	21
549	544	553	558	557	557	563	565	565	576	9	42	611	16	24	538	73	22
557	547	550	558	555	567	556	557	576	571	8	51	600	17	39	546	54	23
566	567	557	556	555	565	558	558	559	571	9	03	589	19	18	554	35	24
563	561	558	563	563	568	556	550	556	571	11	03	597	22	45	547	50	25
569	565	570	565	572	568	556	564	566	572	10	00	601	22	36	555	46	26
548	543	551	563	563	565	566	566	563	560	9	36	579	14	18	538	41	27
580	573	572	570	570	570	567	569	559	570	15	06	586	6	26	558	28	28
569	564	559	553	559	561	565	567	573	565	13	14	577	19	03	553	24	29
577	570	566	565	567	572	569	583	588	573	24	00	588	19	20	564	24	30
567	563	563	566	565	568	566	568	568	571							36	
580	577	577	577	577	578	577	576	575	580							24	

MAY, 1908.

28500γ PLUS TABULAR QUANTITIES.

Day	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	Noon	13h	14h	15h
1	594	589	585	583	585	588	589	586	602	613	605	588	580	570	589
2	564	562	563	565	571	577	576	578	589	591	590	584	579	567	563
3	560	559	562	566	565	568	571	575	577	572	567	559	564	563	559
4	572	564	569	567	566	570	564	567	569	567	565	565	558	562	560
5	561	564	563	565	560	567	575	581	587	589	591	587	584	582	577
6*	564	560	565	564	568	570	567	568	574	575	578	579	572	569	566
7*	565	567	567	566	568	571	572	580	580	602	602	599	594	588	580
8	570	582	572	571	564	570	575	568	572	580	584	583	577	570	564
9*	559	561	563	564	567	571	570	566	568	574	574	572	563	554	548
10	561	563	562	566	569	575	580	583	583	584	586	583	587	573	567
11	527	533	534	533	536	541	541	543	549	553	550	550	547	547	543
12	546	543	545	548	551	548	545	544	550	551	554	563	565	556	552
13*	556	562	552	551	555	556	548	539	551	561	571	573	577	567	563
14*	553	555	560	556	555	555	548	544	555	568	571	569	565	555	549
15*	558	559	560	557	555	556	554	554	554	554	554	561	564	565	559
16	562	563	563	559	557	556	552	552	567	578	580	575	571	566	560
17	584	583	584	586	571	564	563	565	576	576	585	586	583	570	565
18*	558	558	558	558	556	556	555	561	568	571	572	573	574	571	564
19*	561	563	560	557	559	566	567	567	571	570	564	559	554	552	553
20*	560	558	560	561	562	563	563	565	568	564	563	560	557	557	554
21*	563	564	569	566	567	576	576	576	576	575	566	570	570	568	533
22	556	560	559	561	559	560	562	567	572	582	583	584	578	571	563
23	535	533	543	547	552	547	552	542	550	555	553	549	546	553	549
24	548	541	534	543	541	536	528	530	542	551	555	537	552	546	538
25	551	546	541	544	545	551	537	558	557	553	556	549	537	530	523
26	509	501	510	515	517	513	511	501	485	478	478	488	499	505	500
27	516	515	539	547	539	531	530	531	530	533	533	559	559	550	551
28	549	553	558	553	552	560	561	551	539	535	542	547	549	548	531
29	544	542	535	538	534	541	535	535	546	553	554	556	548	538	541
30	557	553	543	541	544	544	542	539	540	538	537	547	548	544	541
31	550	549	546	544	547	547	543	541	539	546	549	551	551	550	556
Mean....	555	555	556	556	556	558	557	557	561	564	565	565	563	558	555
Mean*....	560	561	561	560	561	564	562	562	566	571	572	572	569	565	560

JUNE, 1908.

28500γ PLUS TABULAR QUANTITIES.

1	553	536	537	538	542	544	543	539	540	547	544	541	546	547	545
2*	548	547	548	547	548	555	556	560	562	562	568	575	577	579	570
3	554	556	556	558	563	566	569	567	563	567	567	567	565	562	554
4	553	555	550	550	551	550	560	553	552	558	556	553	545	542	540
5	538	539	539	541	542	547	552	554	555	553	549	548	542	547	546
6	543	548	548	550	557	564	557	550	542	543	543	545	548	552	553
7	544	546	546	548	547	551	555	556	555	564	564	565	565	569	564
8*	549	545	549	546	549	550	547	544	550	555	555	550	550	551	546
9*	545	549	547	546	545	550	553	553	558	562	567	564	557	559	556
10*	550	548	547	548	548	552	558	561	572	579	585	579	575	572	566
11*	549	543	549	549	546	547	550	559	563	574	571	567	563	556	551
12	553	554	556	557	555	558	558	559	561	572	577	581	577	569	564
13	557	561	562	558	553	554	559	554	566	574	591	584	573	563	557
14	552	543	545	542	545	547	543	542	537	536	539	543	547	546	546
15	552	547	546	544	544	545	539	538	542	550	547	550	551	554	547
16	547	543	542	540	537	537	539	537	539	551	564	570	573	570	570
17	557	556	551	554	558	554	551	544	549	556	569	582	585	584	572
18	550	542	545	545	548	543	544	548	540	539	543	541	548	554	547
19	536	545	548	547	551	549	547	539	543	550	554	563	553	553	551
20	549	538	540	536	540	541	534	528	526	525	530	545	546	542	538
21	538	541	542	542	541	544	541	538	536	538	539	540	538	539	538
22*	540	539	537	538	539	541	539	539	549	555	562	565	579	569	556
23*	539	538	538	538	538	540	541	545	548	554	561	559	551	552	546
24	545	544	546	547	549	551	563	578	589	590	576	575	576	562	559
25	554	555	554	554	551	551	555	563	571	582	583	583	578	571	565
26	541	539	535	542	549	551	545	543	546	546	537	535	547	543	536
27*	533	541	541	537	533	541	545	546	549	547	545	541	540	539	534
28*	541	543	541	538	540	542	546	558	574	584	585	569	564	562	554
29*	544	544	543	541	534	535	544	545	554	553	559	555	551	547	549
30	539	540	545	541	538	542	543	546	551	555	557	553	551	548	550
Mean....	547	546	546	545	546	543	549	550	553	553	560	560	558	557	552
Mean*....	544	544	544	543	542	545	543	552	558	563	566	562	560	559	552

* The mean hourly values given on the bottom line are derived from the "quiet days" indicated by asterisks.

MAY, 1908.

28500γ PLUS TABULAR QUANTITIES.

16 ^h	17 ^h	18 ^h	19 ^h	20 ^h	21 ^h	22 ^h	23 ^h	24 ^h	Mean	Maximum			Minimum			Range	Day
<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>r</i>	
584	573	566	544	559	547	555	564	553	579	10	25	615	19	03	542	73	1
559	557	549	539	544	552	551	554	558	566	9	44	598	19	38	536	62	2
558	549	561	557	565	565	570	564	572	564	8	32	579	16	57	547	32	3
560	559	552	551	560	573	571	573	564	564	21	00	573	19	54	550	23	4
575	572	569	564	564	565	555	557	571	572	9	42	592	22	18	554	38	5
567	564	565	565	567	565	565	565	565	568	11	38	580	1	39	560	20	6
574	569	568	566	567	563	563	567	567	575	10	30	605	21	29	562	43	7
556	556	559	561	560	560	562	561	561	568	11	54	585	17	13	555	30	8
552	558	564	567	568	567	568	567	562	564	10	21	575	14	25	547	28	9
550	538	540	524	512	504	543	519	519	557	11	21	588	20	51	495	93	10
541	537	527	520	528	530	536	544	541	539	10	03	553	19	07	519	34	11
549	552	557	554	550	539	541	554	545	550	12	52	566	21	23	538	28	12
554	556	560	558	554	556	552	554	555	558	11	57	578	7	52	539	39	13
548	547	551	554	554	558	558	558	560	556	10	29	573	8	00	544	29	14
555	553	555	557	559	561	562	562	562	558	14	00	565	17	00	553	12	15
561	563	568	571	572	574	578	579	580	567	24	00	580	7	32	547	33	16
551	549	554	555	555	557	558	558	557	568	11	50	587	17	04	548	39	17
556	554	556	560	561	560	561	561	563	562	13	30	576	17	05	553	23	18
555	559	561	561	561	558	560	560	557	561	8	49	571	13	45	551	20	19
549	546	549	550	550	552	554	557	562	558	9	00	568	19	21	546	22	20
560	556	556	556	557	558	558	559	559	565	8	31	578	17	26	554	24	21
561	(551)	(547)	(543)	(538)	(532)	531	521	515	556	11	51	584	24	00	515	69	22
549	539	530	513	521	529	532	535	553	542	23	50	557	19	02	513	44	23
533	531	534	535	534	533	540	549	547	540	10	34	557	7	20	523	34	24
517	492	491	500	485	475	498	505	500	527	7	57	559	20	45	473	86	25
502	507	516	518	518	518	519	511	511	505	4	30	532	10	51	477	55	26
551	537	537	539	536	537	547	550	555	540	12	42	566	0	10	510	56	27
528	525	528	534	542	546	537	534	544	544	1	54	563	17	05	512	51	28
538	536	539	543	544	540	541	540	551	542	11	34	561	7	36	529	32	29
538	533	538	546	546	544	547	542	549	543	1	07	560	16	55	533	27	30
547	535	525	529	540	545	542	548	542	544	15	08	556	18	16	522	34	31
551	547	547	546	547	547	550	551	552	555							40	
557	556	558	559	560	560	560	561	561	562							26	

JUNE, 1908.

28500γ PLUS TABULAR QUANTITIES.

544	538	537	537	541	543	543	545	547	542	1	00	553	17	18	536	17	1
561	555	551	553	554	556	556	555	556	558	13	51	580	4	27	546	34	2
539	539	555	556	570	553	560	564	556	559	14	24	586	16	25	536	50	3
536	536	540	543	543	539	540	539	538	546	10	17	563	16	21	534	29	4
546	548	547	547	546	549	548	548	544	546	9	33	555	1	00	538	17	5
551	551	539	541	543	543	539	541	542	547	6	42	569	18	00	539	30	6
558	552	547	549	552	547	546	552	545	554	13	44	569	0	00	542	27	7
541	537	539	544	546	546	545	544	544	547	10	34	557	17	16	536	21	8
545	540	541	549	546	546	550	550	550	551	11	11	568	17	44	540	28	9
558	549	550	552	555	551	552	551	551	559	11	00	586	3	00	547	39	10
546	545	547	551	551	552	554	554	552	554	9	52	574	16	37	544	30	11
557	555	557	548	559	561	560	560	559	561	11	48	582	18	41	546	36	12
549	544	543	545	547	553	553	551	552	559	11	00	591	17	39	542	49	13
547	546	548	547	545	545	547	548	546	545	0	52	554	9	32	535	19	14
537	535	534	540	540	544	541	545	545	544	14	06	556	17	57	533	23	15
557	545	543	544	546	548	545	559	558	550	13	44	577	8	24	535	42	16
560	550	546	543	533	536	536	537	545	554	13	19	592	20	12	528	64	17
544	(537)	535	536	537	536	546	543	535	543	13	39	559	19	26	528	31	18
545	530	537	539	535	544	526	530	538	544	12	00	563	23	15	524	39	19
533	535	535	538	547	544	539	538	539	538	0	37	551	9	31	523	28	20
534	531	528	538	535	542	540	538	537	538	5	48	545	18	09	528	17	21
545	541	537	538	539	537	535	534	535	545	13	42	572	23	19	532	40	22
538	541	543	551	552	551	551	550	544	546	11	17	562	0	00	535	27	23
561	558	550	556	553	555	552	557	554	560	10	08	594	1	23	544	50	24
553	549	547	547	544	537	536	543	540	557	10	42	586	21	36	533	53	25
533	526	521	521	532	536	547	543	536	539	4	40	556	18	07	518	38	26
535	535	534	534	537	538	540	536	536	539	9	30	551	18	42	532	19	27
542	539	534	536	539	541	542	542	543	550	10	33	588	18	00	534	54	28
538	538	538	541	540	541	540	537	533	543	10	40	561	5	28	533	28	29
540	529	533	528	528	536	533	538	529	541	11	12	558	19	25	526	32	30
546	542	541	543	544	545	545	546	544	549							34	
545	542	541	545	546	546	546	545	544	549							32	

JULY, 1908.

28500γ PLUS TABULAR QUANTITIES.

Day	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	Noon	13h	14h	15h
1	529	529	529	530	531	533	535	533	529	532	543	543	543	548	546
2	539	543	544	542	541	543	546	545	542	543	542	547	548	547	546
3*	543	543	541	543	545	548	547	548	548	553	556	555	557	558	554
4*	548	548	547	548	548	553	555	552	551	557	563	565	567	565	559
5	545	544	541	542	543	544	552	559	561	561	555	551	556	551	549
6	541	543	543	547	549	554	557	567	575	582	577	568	563	556	538
7	535	534	532	534	535	542	546	549	548	546	543	537	536	535	530
8	539	544	540	538	541	546	546	553	557	557	556	550	544	535	527
9*	541	539	540	540	541	542	544	549	549	554	557	553	545	543	538
10*	545	545	546	547	547	549	548	549	557	563	567	567	567	562	551
11*	550	550	550	551	551	552	547	547	554	563	569	566	569	569	561
12	547	547	548	549	551	552	554	554	558	562	570	569	562	555	554
13	554	543	543	541	541	547	542	527	535	551	562	556	551	548	543
14	543	545	544	544	545	545	545	551	561	573	579	581	576	566	558
15	565	567	566	555	555	560	561	562	569	587	585	571	554	540	514
16	540	579	546	527	526	519	512	515	516	526	536	547	548	544	534
17	541	536	527	531	527	526	528	528	531	536	541	545	540	538	522
18	527	526	526	528	529	529	526	526	526	538	541	538	533	534	527
19	529	531	532	531	532	532	534	540	545	549	551	550	548	542	534
20*	535	535	536	537	539	540	543	546	548	552	552	554	552	549	543
21	536	535	538	538	540	542	538	532	537	542	539	539	550	549	543
22*	542	539	537	535	536	537	539	541	547	547	546	549	549	547	548
23	538	539	539	539	540	544	549	545	544	545	550	555	545	537	534
24	549	548	548	546	548	554	558	560	573	585	584	574	571	571	562
25	519	524	535	529	528	528	536	544	544	536	532	525	511	515	509
26	533	533	533	535	534	537	534	538	542	545	545	535	543	544	535
27*	536	537	536	539	540	540	542	547	551	556	554	556	553	548	543
28	540	540	539	538	537	537	537	531	541	546	545	548	551	546	539
29*	543	543	542	542	544	544	543	542	547	553	556	559	556	555	545
30*	546	543	543	540	541	542	538	544	553	556	551	554	559	556	555
31	545	544	545	544	544	545	541	541	544	551	558	561	572	571	561
Mean	541	542	540	540	540	542	543	544	548	553	555	554	552	549	542
Mean*	543	542	542	542	543	545	545	546	550	555	557	558	557	555	550

AUGUST, 1908.

28500γ PLUS TABULAR QUANTITIES.

1	551	554	556	557	557	558	555	552	558	571	572	574	574	564	(553)
2	548	542	535	540	539	538	538	547	556	563	561	558	551	550	544
3	530	531	532	532	529	532	535	544	557	568	570	571	576	578	573
4*	535	533	535	532	531	529	524	525	534	550	557	553	546	538	530
5*	538	531	532	533	534	536	534	537	546	550	552	550	561	558	548
6	532	536	535	534	535	539	544	551	557	560	564	565	558	554	548
7	539	534	536	527	523	529	533	521	514	511	506	518	522	520	519
8	516	524	522	551	540	541	534	538	535	540	547	552	557	554	545
9	478	466	462	467	467	469	464	458	455	458	479	492	497	485	480
10*	509	506	503	502	501	503	504	507	516	524	525	522	522	515	508
11	517	513	513	512	513	515	515	509	521	519	521	537	533	536	519
12	517	524	517	521	522	517	517	525	534	539	560	540	540	517	496
13	519	515	513	516	504	511	504	507	510	522	524	518	522	525	523
14	525	529	519	518	513	518	515	510	508	514	520	524	526	528	525
15*	527	527	523	522	520	521	518	514	514	522	527	534	536	534	530
16*	528	529	529	528	529	530	527	525	536	544	545	543	543	541	539
17*	534	534	536	536	536	539	542	542	545	546	555	563	558	544	544
18	535	539	541	534	537	538	538	542	548	550	546	545	548	544	537
19	517	519	525	512	511	527	522	495	486	517	521	516	508	503	499
20	505	504	505	504	503	504	508	517	522	522	520	522	524	528	529
21	516	522	520	520	538	547	546	552	553	529	508	501	504	500	489
22	513	510	517	514	511	515	516	518	521	529	532	533	532	530	528
23*	527	527	526	525	523	521	517	517	521	528	527	527	529	527	524
24*	519	519	519	519	521	521	523	527	533	536	536	532	531	529	528
25	523	520	519	523	522	522	522	518	522	524	522	521	522	523	519
26	530	531	535	533	531	534	531	523	522	525	526	525	525	524	529
27*	532	531	530	529	528	527	526	529	532	536	534	535	532	529	528
28*	529	528	527	528	528	531	532	538	543	547	547	545	546	542	540
29	540	541	539	538	539	540	542	540	544	545	546	545	543	531	525
30	539	542	539	538	538	539	544	550	557	561	557	556	556	557	554
31	541	544	541	539	538	539	538	541	547	555	559	559	557	554	548
Mean	526	526	525	525	525	527	526	526	531	536	538	538	538	534	529
Mean*	528	526	526	525	525	526	525	526	532	538	540	540	540	536	532

* The mean hourly values given on the bottom line are derived from the "quiet days" indicated by asterisks.

JULY, 1908.

28500r PLUS TABULAR QUANTITIES.

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean	Maximum			Minimum			Range	Day
r	r	r	r	r	r	r	r	r	r	h	m	r	h	m	r	r	
540	535	535	536	538	537	537	540	540	536	14	36	550	0	30	526	24	1
542	540	536	541	542	541	541	541	544	543	14	30	550	17	40	536	14	2
544	541	541	541	541	545	548	549	548	547	13	47	560	19	35	540	20	3
552	550	549	546	545	546	546	547	547	552	13	00	567	22	31	545	22	4
545	540	537	537	539	532	523	535	541	545	9	16	563	21	45	521	42	5
519	509	507	521	528	528	530	540	533	545	10	24	583	17	51	507	76	6
530	535	539	542	543	545	542	535	536	539	8	13	552	16	00	530	22	7
523	527	533	540	542	543	543	540	543	542	9	08	557	15	53	523	34	8
537	538	538	538	540	541	542	542	548	543	11	00	557	16	30	536	21	9
544	541	546	549	552	550	551	549	550	552	11	31	570	17	15	541	29	10
555	549	550	546	551	553	555	551	548	554	10	52	570	17	17	546	24	11
555	544	542	543	548	547	547	549	547	552	11	12	570	17	51	540	30	12
539	539	541	540	541	543	545	546	544	544	10	50	564	8	11	526	38	13
549	545	543	546	548	552	560	566	560	555	11	39	581	18	09	543	38	14
494	522	517	484	483	490	513	517	523	539	11	29	591	20	38	474	117	15
529	518	514	516	518	516	533	525	528	530	1	51	580	17	31	508	72	16
516	512	510	522	517	530	523	527	528	528	12	28	548	17	43	508	40	17
523	523	524	528	531	532	531	529	529	529	11	09	541	16	15	521	20	18
528	526	532	534	536	534	533	533	534	536	10	43	551	17	00	526	25	19
536	535	535	539	537	534	539	539	536	541	11	42	554	17	41	533	21	20
541	541	545	549	549	546	547	546	542	542	22	31	551	8	15	531	20	21
542	541	537	539	540	542	540	539	539	542	12	00	549	4	00	535	14	22
537	540	544	548	547	553	550	549	549	544	11	49	557	15	00	534	23	23
547	532	540	543	539	544	541	529	528	553	10	30	588	24	00	528	60	24
504	507	515	518	524	527	530	531	530	525	8	17	548	16	31	504	44	25
530	526	532	535	539	540	540	539	535	537	13	30	549	16	50	523	26	26
540	538	539	541	539	539	541	541	540	543	10	08	557	0	00	535	22	27
533	539	541	540	541	542	543	543	543	541	13	00	551	8	08	530	21	28
543	543	543	545	545	545	550	546	546	547	12	00	559	7	34	541	18	29
549	540	538	540	540	540	541	544	545	546	12	19	561	7	00	538	23	30
551	546	545	549	548	550	550	550	552	550	13	24	573	7	32	539	34	31
536	534	535	537	538	539	540	541	541	543							33	
544	542	542	542	543	544	545	545	545	545							21	

AUGUST, 1908.

28500r PLUS TABULAR QUANTITIES.

543	543	549	550	543	541	541	541	543	554	10	50	577	22	00	541	36	1
540	539	539	541	544	540	535	532	532	544	10	00	563	22	35	530	33	2
573	567	541	539	538	533	527	530	532	547	13	30	593	22	37	525	68	3
526	525	526	530	529	530	530	532	530	534	10	48	558	7	24	523	35	4
537	537	537	537	534	533	532	532	533	540	13	14	562	0	00	530	32	5
539	537	529	529	535	538	535	547	541	543	11	50	566	18	27	524	42	6
516	518	520	527	529	530	528	527	527	524	2	22	543	11	12	506	37	7
515	522	529	530	538	491	477	483	466	527	13	26	560	22	2	438	122	8
482	492	491	498	501	503	502	505	502	481	23	00	505	16	33	452	53	9
500	500	507	511	513	516	516	516	513	511	10	39	530	16	17	499	31	10
513	517	519	526	528	521	513	522	518	520	12	42	538	7	52	509	29	11
502	489	495	488	486	503	507	518	515	516	11	06	568	20	14	485	83	12
512	511	505	506	511	515	527	528	520	515	22	38	531	18	45	499	32	13
521	516	519	523	524	529	522	519	524	520	2	00	529	8	28	503	26	14
524	524	527	527	527	528	530	531	528	526	12	57	537	8	37	513	24	15
537	539	539	538	537	539	537	535	535	536	11	38	546	7	43	524	22	16
540	537	537	535	532	530	528	531	530	540	12	13	564	22	36	525	39	17
532	523	522	527	544	536	509	540	502	536	9	30	551	24	00	502	49	18
499	498	498	499	501	501	500	498	503	507	3	19	531	9	00	486	45	19
527	523	522	525	524	523	522	516	518	517	15	18	532	4	19	502	30	20
489	492	494	489	486	490	492	496	508	512	7	51	553	20	00	486	67	21
528	527	530	529	528	527	525	526	526	524	11	55	534	0	00	508	26	22
522	522	522	522	525	524	523	520	519	524	12	30	529	7	30	514	15	23
528	524	529	532	527	529	528	528	531	527	10	14	537	2	45	518	19	24
517	518	520	521	521	527	528	530	530	522	0	00	531	16	22	517	14	25
527	530	532	535	534	533	533	531	532	530	2	36	535	8	30	521	14	26
530	532	533	533	532	532	532	529	529	531	10	00	536	6	38	525	11	27
541	540	539	539	537	540	540	545	540	538	10	36	548	3	16	525	23	28
524	534	535	539	540	539	538	538	539	538	10	24	547	14	39	524	23	29
554	548	549	547	544	546	540	540	540	547	9	45	561	23	37	537	24	30
545	544	545	546	546	544	545	543	541	546	11	00	559	4	52	537	22	31
525	525	525	526	527	526	524	526	524	528							36	
528	528	530	530	529	530	530	530	529	530							25	

SEPTEMBER, 1908.

28500_r PLUS TABULAR QUANTITIES.

Day	1 ^h	2 ^h	3 ^h	4 ^h	5 ^h	6 ^h	7 ^h	8 ^h	9 ^h	10 ^h	11 ^h	Noon	13 ^h	14 ^h	15 ^h
1*	542	541	541	540	539	539	536	537	538	539	540	541	541	541	542
2*	546	545	545	545	543	541	541	544	548	550	550	547	543	546	545
3*	541	543	547	547	548	547	544	544	553	559	563	561	557	554	553
4	549	550	550	549	549	547	544	544	549	557	565	554	553	552	550
5	500	502	507	510	512	514	524	516	529	523	530	524	518	507	506
6	511	512	513	513	512	515	516	520	523	531	535	531	527	526	522
7	515	518	516	517	518	519	517	517	523	525	529	534	532	522	523
8	533	534	536	536	531	527	543	546	554	560	548	553	549	544	541
9	534	532	532	532	531	530	527	524	528	534	536	535	529	528	519
10	509	506	501	502	509	506	507	500	504	507	512	514	512	507	503
11	513	513	513	517	518	518	517	514	510	509	517	524	517	519	521
12	371	359	388	403	407	406	403	403	420	427	432	435	440	443	449
13	473	473	473	474	475	476	474	473	470	470	471	471	472	475	480
14	488	489	490	492	492	491	495	495	492	491	490	488	488	490	493
15	504	503	503	504	505	504	505	510	510	511	511	510	512	510	509
16	511	510	522	508	506	505	508	510	510	505	498	493	492	492	484
17	505	505	505	507	504	503	503	505	505	507	510	511	507	506	503
18*	487	484	484	482	483	483	485	488	494	496	506	510	506	501	499
19*	487	487	488	487	490	488	494	493	494	497	499	490	483	481	478
20*	489	488	490	490	490	490	495	500	503	506	510	509	505	501	498
21*	493	491	491	492	492	492	489	485	499	511	513	512	509	487	480
22	500	500	497	495	495	496	502	510	516	521	525	523	521	519	521
23	512	509	508	508	509	508	505	502	500	507	514	519	534	536	535
24*	522	520	519	520	520	521	521	521	526	536	537	540	545	539	525
25*	519	518	521	521	523	526	523	520	527	531	532	532	527	527	531
26*	510	511	510	511	512	512	511	512	524	530	530	529	519	509	508
27	509	509	513	511	512	515	517	518	519	523	524	520	519	513	506
28	512	512	513	513	525	513	529	525	526	519	508	487	476	451	465
29	470	422	399	393	395	399	407	410	414	444	445	379	390	408	382
30	410	420	421	433	421	427	422	409	409	397	403	404	410	409	417
Mean.....	505	503	504	504	505	505	506	506	511	515	517	513	511	508	506
Mean*.....	514	513	514	514	514	514	514	514	521	526	528	527	524	519	516

OCTOBER, 1908.

28500_r PLUS TABULAR QUANTITIES.

1	484	487	484	481	483	481	475	476	493	498	492	496	499	499	500
2	470	472	473	479	476	475	474	481	483	487	489	489	492	493	495
3	494	491	487	491	491	496	497	497	496	496	496	490	491	496	495
4	470	474	481	486	492	493	494	498	497	504	505	511	506	494	482
5	482	482	494	504	517	509	510	516	523	523	522	516	500	492	471
6	466	470	473	479	478	482	481	484	494	497	498	496	505	504	502
7	512	510	513	518	521	524	525	524	521	517	517	516	508	505	505
8	519	522	522	524	524	523	519	514	514	516	511	511	512	512	507
9*	503	506	507	506	509	509	511	512	510	507	510	510	508	507	503
10*	519	519	520	520	519	520	519	514	508	501	502	508	512	510	508
11	511	513	514	515	516	515	517	518	508	502	502	506	507	511	510
12	498	499	500	503	506	506	519	525	523	512	512	504	493	473	451
13	505	510	525	526	528	531	532	534	532	524	518	509	501	495	492
14	527	527	527	525	531	531	534	534	518	516	511	505	497	493	491
15*	516	520	522	522	522	522	528	534	533	527	525	515	509	503	495
16*	523	526	529	534	534	535	540	546	538	534	534	531	526	521	518
17	523	526	527	527	532	532	533	533	547	534	534	(529)	(523)	(518)	(511)
18	522	528	528	528	534	531	533	538	531	527	522	523	515	509	494
19	511	512	511	512	507	510	513	512	505	508	513	519	521	519	517
20*	533	537	538	538	539	538	537	532	(529)	(524)	(525)	(524)	(522)	521	512
21*	516	517	520	521	520	521	527	526	526	522	520	514	510	513	514
22*	520	520	520	521	521	525	524	525	527	523	523	523	522	520	515
23*	534	530	530	533	536	539	542	541	528	521	521	520	519	516	517
24*	534	536	538	538	538	540	542	545	539	533	536	535	529	524	518
25	534	538	540	540	540	541	544	544	(539)	(533)	(533)	(530)	(526)	(524)	(521)
26	526	533	535	538	539	540	542	544	545	546	548	548	543	(535)	(525)
27	525	527	529	530	531	531	535	542	553	571	573	545	535	523	512
28*	522	522	523	523	524	525	525	528	527	520	517	522	520	520	521
29	509	509	512	513	513	515	520	525	522	515	510	507	504	497	493
30	503	506	509	513	514	515	520	526	530	524	521	517	504	507	509
31	521	519	530	531	525	519	525	520	500	499	496	491	489	475	467
Mean.....	511	513	515	517	518	519	521	522	521	518	517	515	512	509	504
Mean*.....	522	523	525	526	526	527	530	530	526	521	521	520	518	516	512

* The mean hourly values given on the bottom line are derived from the "quiet days" indicated by asterisks.

SEPTEMBER, 1908.

28500_r PLUS TABULAR QUANTITIES.

16 ^h	17 ^h	18 ^h	19 ^h	20 ^h	21 ^h	22 ^h	23 ^h	24 ^h	Mean	Maximum			Minimum			Range	Day
<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>r</i>	
542	543	544	545	547	548	547	547	545	542	21	00	548	7	00	536	12	1
543	544	544	543	545	545	540	541	540	544	9	30	551	24	00	540	11	2
550	553	551	551	551	551	549	548	549	551	11	30	563	0	00	540	23	3
545	548	547	535	518	501	516	504	504	541	11	13	566	20	54	499	67	4
499	487	495	498	507	518	510	522	513	511	9	16	531	16	41	484	47	5
520	514	511	512	514	515	518	523	516	519	10	48	536	1	00	511	25	6
524	522	527	525	527	530	532	532	535	524	24	00	535	1	00	515	20	7
538	541	539	542	542	542	534	534	535	541	9	46	562	6	00	527	35	8
509	509	506	512	506	506	518	515	515	523	11	27	537	17	15	497	40	9
500	500	506	510	514	515	516	515	513	508	22	00	516	8	20	492	24	10
513	510	519	489	428	423	397	371	382	490	11	51	528	23	..	367	161	11
456	461	468	473	473	476	476	474	473	434	21	00	476	1	35	348	128	12
481	481	483	487	486	485	485	485	488	478	24	00	488	9	00	470	18	13
495	495	495	501	503	501	501	499	503	494	24	00	503	12	00	488	15	14
511	513	514	514	506	508	510	510	511	509	18	24	515	0	00	503	12	15
488	492	496	499	500	505	507	503	500	502	3	00	522	15	08	483	39	16
(500)	492	498	503	505	506	498	492	489	503	12	00	511	24	00	489	22	17
500	493	490	489	494	488	492	493	488	492	11	42	511	4	00	482	29	18
483	495	498	499	498	503	501	497	492	492	21	00	503	15	00	478	25	19
496	492	494	500	504	506	500	494	495	498	11	27	511	2	00	488	23	20
503	507	510	513	512	508	506	503	501	500	11	00	513	14	54	479	34	21
523	522	523	523	525	524	518	517	516	514	11	00	525	5	21	491	34	22
536	536	539	541	534	533	531	528	522	521	18	24	541	9	00	500	41	23
521	521	523	525	528	527	525	523	523	526	12	54	546	15	23	518	28	24
536	532	523	524	517	514	509	509	504	523	10	54	536	24	00	504	32	25
508	504	508	510	512	515	515	515	514	514	11	27	531	16	42	504	27	26
508	502	506	507	508	512	513	516	514	513	11	00	524	17	00	502	22	27
465	498	505	508	511	515	511	514	469	503	7	00	529	14	..	448	81	28
400	346	366	377	388	349	349	374	417	397	1	00	470	21	25	339	131	29
423	...	...	...	440	469	487	482	483	...	22	00	487	10	00	397	90	30
507	505	508	509	507	506	505	503	502	507							43	
518	518	518	520	521	520	519	517	515	518							24	

OCTOBER, 1908.

28500_r PLUS TABULAR QUANTITIES.

501	494	494	490	457	464	467	471	473	485	10	00	501	20	00	457	44	1
494	488	491	494	499	499	496	499	493	487	23	00	499	1	00	470	29	2
496	496	491	480	479	486	476	474	474	490	8	00	497	24	00	474	23	3
488	489	491	491	488	485	490	487	486	491	12	00	511	1	11	470	41	4
463	466	464	470	455	458	464	471	464	489	5	22	533	19	43	453	80	5
503	505	509	506	(505)	503	506	509	518	495	24	00	518	0	00	464	54	6
502	505	501	503	509	513	509	515	519	513	7	14	527	18	18	498	29	7
506	504	501	(505)	(505)	(504)	(504)	(504)	(504)	512	5	00	524	18	00	501	23	8
508	516	518	520	524	524	524	522	521	512	22	00	524	15	00	503	21	9
501	496	495	494	495	494	497	503	508	508	0	00	521	21	00	494	27	10
502	512	509	508	505	506	495	491	489	508	8	00	518	23	42	489	29	11
445	446	434	...	503	499	511	517	511	...	8	00	525	17	45	433	92	12
483	498	502	506	514	529	527	522	523	515	7	40	535	16	00	483	52	13
493	494	495	497	505	511	511	516	517	...	7	08	536	15	26	487	49	14
492	492	497	497	503	502	503	513	518	513	8	00	534	15	25	491	43	15
513	517	518	515	516	518	519	521	522	526	8	00	546	16	50	513	33	16
508	516	525	521	519	511	512	518	518	524	9	00	547	16	00	508	39	17
485	497	502	502	506	511	509	511	511	517	7	56	540	15	46	483	57	18
519	524	529	530	535	532	534	534	536	519	24	00	536	9	00	505	31	19
510	511	512	517	517	517	517	517	517	524	5	00	539	16	00	510	29	20
512	509	510	519	520	520	521	521	520	518	7	32	528	17	00	509	19	21
519	522	519	523	526	529	531	533	534	524	24	00	534	15	00	515	19	22
521	534	537	542	543	539	540	537	539	532	19	30	545	14	00	516	29	23
513	513	516	519	518	518	518	526	529	529	8	00	545	16	26	512	33	24
(520)	523	527	528	526	525	524	527	527	531	7	00	(544)	16	00	(520)	24	25
(518)	(515)	509	508	508	516	520	526	527	531	11	00	548	19	22	503	45	26
501	498	504	511	512	513	513	518	520	527	11	00	573	16	42	494	79	27
520	523	521	516	515	514	512	510	510	520	8	24	529	24	00	510	19	28
492	502	504	507	507	507	504	503	504	508	8	08	526	16	00	492	34	29
514	522	522	522	526	527	525	525	522	518	9	00	530	1	00	503	27	30
448	453	454	471	477	(481)	(485)	(491)	493	494	5	33	532	16	00	448	84	31
502	504	506	507	507	509	508	511	511	512							40	
511	513	514	516	518	518	518	520	522	521							27	

NOVEMBER, 1908.

28500 γ PLUS TABULAR QUANTITIES.

Day	1 ^h	2 ^h	3 ^h	4 ^h	5 ^h	6 ^h	7 ^h	8 ^h	9 ^h	10 ^h	11 ^h	Noon	13 ^h	14 ^h	15 ^h
1	γ 509	γ 505	γ 499	γ 504	γ 507	γ 508	γ 521	γ 513	γ 517	γ 522	γ 527	γ 527	γ 521	γ 512	γ 507
2	490	491	494	495	497	499	500	502	500	504	513	509	511	508	506
3	498	499	502	502	502	505	513	520	523	535	543	543	537	525	516
4*	513	512	512	514	514	515	519	522	521	520	519	515	509	510	510
5*	503	505	505	508	510	511	517	518	521	523	524	519	519	514	515
6*	517	518	517	518	518	518	524	530	532	534	537	534	533	533	528
7	521	521	520	521	521	523	527	529	532	541	537	533	527	525	519
8	455	455	455	467	472	469	470	482	479	468	466	448	432	440	438
9	466	470	466	465	467	471	472	477	471	477	480	472	478	478	475
10	474	475	474	474	471	468	480	480	486	493	484	484	479	480	483
11	479	479	485	489	486	483	492	498	503	503	503	503	503	500	497
12	497	494	494	494	494	497	497	503	504	504	504	504	497	493	491
13*	496	496	496	496	497	498	502	502	504	505	508	502	497	495	498
14*	489	489	489	490	491	493	506	514	515	521	525	520	514	513	513
15	492	492	493	497	498	504	505	511	513	513	518	518	518	512	511
16	513	512	511	512	513	514	518	519	521	526	528	528	522	520	520
17	515	521	508	510	516	518	516	523	520	...	...	451	442	447	455
18	460	462	465	469	473	476	478	484	493	498	502	502	498	489	483
19	485	485	485	485	489	492	498	499	...	...	...	...	...	...	...
20	487	489	490	496	496	500	511	518	517	519	518	510	506	508	512
21*	505	505	504	505	504	503	511	520	522	526	526	520	518	514	514
22*	512	512	512	512	513	514	521	528	531	532	532	531	526	524	518
23*	517	516	517	517	516	518	524	525	525	525	526	526	521	521	515
24*	515	514	513	511	511	514	520	527	527	526	525	518	518	516	513
25*	500	501	503	506	507	509	514	519	519	524	527	526	520	516	513
26	506	510	506	506	507	507	514	513	513	515	514	513	507	509	511
27	509	511	514	515	519	519	523	524	523	525	528	524	521	520	524
28	513	513	516	518	522	524	529	532	526	520	517	517	511	510	507
29	504	507	507	509	510	510	514	514	508	508	507	506	501	501	506
30	492	492	497	499	500	503	508	506	504	501	501	500	507	509	510
Mean.....	498	498	498	500	501	503	508	512	512	515	516	513	509	507	505
Mean*.....	507	507	507	508	508	509	516	520	522	524	525	521	518	516	514

DECEMBER, 1908.

28500 γ PLUS TABULAR QUANTITIES.

1	503	504	504	507	509	509	511	511	511	509	506	502	498	494	496
2*	503	501	501	500	504	505	506	511	511	506	499	496	494	494	495
3*	497	497	499	500	503	504	513	518	519	518	518	517	512	510	511
4	505	505	505	507	515	518	524	529	537	530	523	523	517	509	512
5	453	458	465	479	480	488	498	502	503	495	485	482	475	(480)	484
6	484	482	479	483	483	485	496	496	492	488	488	487	476	468	461
7	484	484	487	487	489	495	501	512	512	512	505	504	494	491	490
8	501	502	503	503	503	505	513	517	517	513	504	499	485	489	493
9*	503	503	504	503	504	504	510	513	511	510	506	502	495	493	499
10*	505	507	506	507	507	510	520	520	515	516	516	515	517	517	514
11*	506	506	506	507	507	509	513	517	521	520	518	512	510	505	504
12	506	508	509	511	516	517	518	523	523	532	538	533	531	526	522
13	522	521	517	516	513	510	512	522	518	521	520	511	504	503	503
14	501	501	502	502	502	504	505	504	496	492	496	493	496	506	511
15*	506	505	509	511	512	513	514	511	502	494	493	493	499	500	503
16	502	497	499	502	502	504	508	509	503	504	503	510	510	505	509
17	510	511	511	511	513	513	519	525	524	517	517	517	518	517	508
18	505	506	508	511	511	513	519	525	528	527	529	523	519	520	519
19	498	498	498	500	502	504	507	509	508	511	511	505	500	502	504
20*	505	506	507	509	511	510	515	519	518	513	510	501	497	498	505
21*	511	510	510	510	511	516	520	521	521	521	521	514	509	509	508
22*	513	513	516	518	518	521	526	531	530	530	525	523	519	516	511
23	513	513	515	517	515	521	527	528	527	528	525	520	520	514	512
24	505	506	507	508	507	507	511	510	509	514	515	508	508	502	504
25	510	510	510	511	511	510	513	513	517	520	518	521	521	523	525
26	513	519	524	522	524	527	528	529	528	520	511	504	505	497	491
27	499	500	500	502	502	504	509	510	510	510	510	506	502	500	502
28*	504	506	510	510	510	510	510	510	506	504	505	506	505	496	498
29	499	499	499	499	499	498	499	500	506	509	506	506	505	504	506
30	505	505	506	506	506	506	505	503	499	498	498	498	497	498	500
31	509	509	511	514	515	514	515	515	515	513	515	519	518	516	519
Mean.....	503	503	504	506	507	508	512	515	514	513	511	508	505	503	504
Mean*....	505	505	507	508	509	510	515	517	515	513	511	508	506	504	505

* The mean hourly values given on the bottom line are derived from the "quiet days" indicated by asterisks.

NOVEMBER, 1908.

28500 γ PLUS TABULAR QUANTITIES.

16 ^h	17 ^h	18 ^h	19 ^h	20 ^h	21 ^h	22 ^h	23 ^h	24 ^h	Mean	Maximum			Minimum			Range	Day
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h	m	γ	h	m	γ	γ	
500	489	497	498	499	494	492	493	493	506	11	29	530	17	00	489	41	1
505	499	499	503	503	504	502	500	498	501	11	00	513	1	00	490	23	2
508	504	508	509	511	512	513	511	512	515	11	24	545	1	00	498	47	3
511	508	510	511	511	510	508	506	505	513	8	00	522	24	00	505	17	4
515	512	515	517	521	520	521	519	518	516	11	00	524	3	00	505	19	5
523	511	514	517	521	521	520	520	519	523	11	00	537	17	00	511	26	6
514	516	516	516	515	503	497	461	445	516	10	21	542	24	00	445	97	7
423	441	447	463	468	472	480	464	470	459	8	27	491	15	52	423	68	8
474	461	458	461	474	476	474	468	475	471	10	30	482	17	38	458	24	9
487	487	484	485	477	475	477	477	477	480	10	18	495	6	00	468	27	10
497	494	494	497	501	497	497	497	497	495	12	43	505	0	00	477	28	11
495	493	495	496	498	498	496	496	492	497	10	46	509	15	00	491	18	12
499	498	503	504	504	496	492	489	489	499	11	00	508	23	00	489	19	13
506	508	508	501	492	486	485	485	492	502	11	00	525	22	00	485	40	14
506	507	510	512	513	511	511	513	513	508	12	00	518	2	00	492	26	15
523	525	529	529	522	528	522	500	514	520	20	42	533	23	00	500	33	16
454	442	441	438	434	441	448	453	455	...	8	30	530	19	36	432	98	17
483	484	487	490	489	486	482	492	484	484	12	00	502	0	00	455	47	18
466	470	473	477	484	485	484	485	488	...	...	...	...	16	00	466	...	19
505	508	508	508	511	510	505	505	506	506	10	00	519	1	00	487	32	20
513	513	514	514	518	515	515	514	513	514	10	00	526	6	00	503	23	21
517	513	514	514	514	515	514	514	514	519	11	00	532	1	00	512	20	22
515	515	516	516	516	515	515	516	516	519	12	00	526	0	00	514	12	23
512	506	499	499	505	505	503	500	500	512	9	16	529	19	00	499	30	24
510	507	507	506	505	504	500	506	506	511	11	00	527	22	00	500	27	25
514	516	516	515	515	513	511	511	510	511	17	00	516	0	00	506	10	26
526	524	522	520	513	508	503	505	514	518	11	00	528	22	30	502	26	27
510	516	511	510	506	502	502	501	500	514	8	00	532	24	00	500	32	28
510	510	510	507	495	490	486	489	491	504	7	26	515	22	00	486	29	29
511	511	511	513	514	509	508	506	504	505	20	00	514	0	00	491	23	30
504	503	504	505	505	503	501	498	499	505							33	
512	509	510	510	511	509	507	507	507	513							23	

DECEMBER, 1908.

28500 γ PLUS TABULAR QUANTITIES.

500	506	507	(506)	(506)	505	505	505	503	505	8	00	511	14	00	494	17	1
496	501	501	498	500	500	496	498	501	501	8	00	511	14	22	493	18	2
511	511	511	(509)	(507)	506	505	504	504	508	9	00	519	1	00	497	22	3
506	510	484	455	440	436	462	455	452	498	9	00	537	19	40	432	105	4
461	444	469	475	477	480	484	481	480	478	9	00	503	17	00	444	59	5
463	470	475	482	484	485	484	484	484	482	8	00	496	15	00	461	35	6
485	487	489	491	491	495	497	500	500	495	9	00	512	2	00	484	28	7
499	498	496	495	496	499	498	500	502	501	8	00	517	13	00	485	32	8
504	504	500	503	504	503	501	503	505	504	8	00	513	13	30	491	22	9
508	507	505	504	506	507	506	506	506	510	8	00	520	19	00	504	16	10
505	508	509	508	508	508	506	505	504	509	9	00	521	24	00	504	17	11
518	515	514	512	513	517	517	521	522	519	11	00	538	0	00	504	34	12
503	503	505	504	503	500	497	496	500	509	0	00	522	23	00	496	26	13
515	516	515	512	511	510	507	506	505	504	17	00	516	10	00	492	24	14
508	509	508	507	507	504	502	497	504	505	7	00	514	12	00	493	21	15
509	510	510	508	509	509	506	509	509	506	12	00	510	2	00	497	13	16
509	511	511	510	510	505	504	503	504	512	8	00	525	23	00	503	22	17
516	511	513	513	513	505	499	491	495	513	11	00	529	23	22	489	40	18
506	507	506	506	507	507	506	506	506	505	10	33	512	0	00	495	17	19
508	509	509	509	509	509	511	511	510	509	8	00	519	13	00	497	22	20
508	510	515	516	516	517	517	516	516	514	10	00	521	16	00	508	13	21
509	506	505	510	511	512	513	514	513	517	8	00	531	18	00	505	26	22
509	509	509	506	504	507	506	504	504	515	7	54	530	24	00	504	26	23
508	505	505	507	504	504	505	507	510	507	10	46	516	14	00	502	14	24
525	525	524	519	518	521	518	513	512	517	14	24	525	2	00	510	15	25
490	491	490	489	489	492	496	495	498	507	8	44	533	19	26	487	46	26
504	502	502	504	504	506	504	504	504	504	10	22	510	0	00	498	12	27
502	503	500	497	496	497	497	497	497	503	6	32	511	14	00	496	15	28
506	506	506	506	506	505	504	503	504	503	10	44	509	0	00	497	12	29
502	505	508	508	509	508	508	507	510	504	23	09	511	10	45	495	16	30
520	521	521	518	514	510	510	505	505	514	11	37	521	23	00	505	16	31
504	504	504	503	502	502	502	501	502	506							26	
506	507	506	506	506	506	505	505	506	508							19	

JANUARY, 1907.

33500_r PLUS TABULAR QUANTITIES.

Day	1 ^h	2 ^h	3 ^h	4 ^h	5 ^h	6 ^h	7 ^h	8 ^h	9 ^h	10 ^h	11 ^h	Noon	13 ^h	14 ^h	15 ^h
1	560	559	559	560	562	562	563	560	553	548	546	544	543	544	548
2	557	556	558	560	560	559	562	559	552	549	546	547	546	545	550
3*	558	557	557	558	557	556	559	557	550	545	539	536	530	534	547
4	560	559	558	559	558	559	559	560	559	553	547	545	542	552	557
5	564	563	563	561	561	565	566	561	555	541	543	545	539	543	550
6*	562	561	561	559	557	558	557	554	550	548	544	541	544	544	551
7	559	558	558	557	556	555	559	556	545	545	545	541	540	539	542
8	567	564	562	556	555	553	553	549	542	536	533	536	544	542	542
9*	564	564	562	560	559	555	555	552	546	537	530	536	545	545	552
10	561	561	559	560	558	554	552	548	535	527	523	529	542	545	555
11	551	557	558	559	557	556	552	533	535	529	539	539	524	544	544
12	557	555	556	557	554	557	554	548	538	535	537	543	548	553	556
13*	557	559	561	561	562	560	560	554	546	541	547	552	555	553	555
14	559	560	561	563	563	566	567	560	548	538	534	539	540	551	556
15	561	560	555	571	551	551	559	557	543	539	541	550	555	556	557
16	559	553	561	556	555	555	557	546	537	532	539	548	551	551	553
17*	560	559	559	559	556	557	557	554	551	546	547	551	548	547	545
18*	556	555	554	553	553	552	552	550	545	540	541	550	550	549	548
19*	556	555	553	552	551	548	549	547	544	543	550	557	554	552	553
20*	554	554	553	554	553	550	550	546	538	534	537	539	541	541	545
21*	557	558	556	553	552	550	545	542	537	533	535	539	532	534	543
22	557	557	556	556	550	548	548	544	536	531	531	543	547	546	547
23	560	560	562	557	556	553	550	544	541	536	533	542	546	551	558
24	557	558	558	559	555	555	552	541	540	528	524	526	534	541	548
25*	557	556	558	559	555	560	555	549	538	533	533	533	539	543	547
26	554	555	555	556	554	551	551	547	538	532	535	535	541	544	551
27	552	554	553	554	555	556	558	557	554	549	545	539	539	541	547
28	555	561	557	557	556	556	560	550	543	532	528	537	542	547	549
29	548	548	548	550	551	550	550	547	538	533	530	526	530	542	545
30	551	550	551	554	554	554	558	549	544	538	542	539	537	543	553
31	555	554	552	554	554	554	557	552	546	541	538	538	540	541	544
Mean.....	558	557	557	558	556	555	556	551	544	538	538	541	542	545	550
Mean*.....	558	558	557	557	556	555	554	550	544	540	540	543	544	544	549

FEBRUARY, 1907.

33500_r PLUS TABULAR QUANTITIES.

1*	549	549	548	550	550	552	553	549	541	536	533	532	533	542	551
2*	554	555	555	555	555	556	556	553	547	541	542	543	543	544	547
3*	556	555	555	554	555	554	556	548	541	538	538	541	542	543	549
4*	558	557	554	554	552	553	553	550	545	537	535	538	539	542	544
5*	555	555	555	553	551	549	549	544	542	539	534	533	539	543	544
6	557	558	555	554	550	550	550	546	541	534	533	530	535	537	536
7	552	555	550	552	548	544	538	533	550	548	548	549	555	550	500
8	571	574	573	572	571	561	562	558	547	547	547	546	535	542	559
9	563	559	568	559	563	562	562	557	554	540	515	515	535	548	558
10	594	593	591	591	588	584	579	573	568	561	559	556	560	558	564
11	571	574	574	574	575	575	575	571	558	557	554	554	560	561	583
12	570	571	570	571	573	571	573	567	554	553	553	548	548	554	562
13	565	565	566	567	570	569	573	571	557	551	549	549	551	552	559
14	561	577	552	558	564	561	557	542	556	549	543	538	539	544	557
15	569	566	568	569	571	576	571	568	559	556	552	553	554	555	559
16	566	567	569	571	572	571	576	574	562	557	555	552	553	560	566
17*	570	570	568	567	570	568	570	570	565	560	558	554	556	559	561
18*	568	566	564	563	564	564	568	567	558	553	553	554	554	559	563
19	571	570	570	566	568	566	569	567	563	559	556	555	549	556	562
20	570	577	579	577	576	576	571	569	558	556	548	551	555	556	551
21	565	570	570	571	569	567	567	564	556	549	548	551	552	555	555
22	570	568	568	569	569	567	571	562	558	556	550	558	564	565	560
23	573	573	573	572	572	571	570	563	557	555	555	561	568	571	577
24	578	570	571	578	571	576	572	553	561	551	547	549	554	564	567
25	572	572	572	575	574	571	571	566	565	560	560	557	558	558	556
26*	567	570	572	574	573	572	577	568	561	553	551	556	555	561	569
27*	570	572	573	573	573	575	572	565	556	551	546	551	554	553	560
28*	568	570	571	574	577	577	576	569	563	557	552	551	552	552	558
Mean.....	566	567	566	567	567	566	566	560	555	550	547	547	550	553	558
Mean*.....	562	562	562	562	562	562	563	558	552	546	544	545	547	550	555

* The mean hourly values given on the bottom line are derived from the "quiet days" indicated by asterisks.

JANUARY, 1907.

33500r PLUS TABULAR QUANTITIES.

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean	Maximum			Minimum			Range	Day
r	r	r	r	r	r	r	r	r	r	h	m	r	h	m	r	r	
554	558	561	559	556	555	556	557	555	555	7	12	565	12	44	540	25	1
556	556	557	559	560	560	560	559	558	555	7	24	563	13	55	545	18	2
554	556	558	560	559	558	562	562	562	553	22	29	563	12	57	530	33	3
560	562	561	561	559	560	558	559	562	557	17	00	562	12	32	541	21	4
550	554	558	561	563	562	562	562	564	556	7	19	566	10	22	536	30	5
556	557	556	555	556	556	560	559	559	554	0	26	571	12	00	541	30	6
546	547	553	546	553	557	555	553	559	551	7	00	559	13	40	535	24	7
547	530	539	546	554	559	562	563	565	550	1	00	567	16	38	523	44	8
557	560	556	554	554	555	558	562	561	553	0	00	565	11	10	527	38	9
559	557	555	552	552	550	550	551	550	549	15	28	562	11	26	521	41	10
549	553	555	555	554	551	551	550	550	548	4	33	575	12	48	513	62	11
562	566	563	565	562	562	561	561	559	555	16	44	566	10	20	531	35	12
563	566	568	567	565	561	561	558	557	558	18	53	570	10	10	539	31	13
551	542	566	574	578	569	563	555	559	557	19	30	581	16	25	527	54	14
557	559	558	568	568	566	562	557	556	557	4	08	582	5	28	539	43	15
553	555	561	561	562	560	561	564	561	554	23	00	564	10	00	532	32	16
546	555	556	557	559	561	559	558	556	554	0	40	562	15	46	545	17	17
550	550	554	555	556	557	559	560	558	552	23	00	560	10	12	540	20	18
554	555	556	553	551	549	557	555	554	552	11	43	558	10	00	543	15	19
547	547	552	554	554	553	556	556	557	549	3	26	558	10	00	534	24	20
552	552	553	553	553	552	554	558	558	548	24	00	558	13	22	530	28	21
551	554	553	551	545	545	549	554	562	548	24	00	562	10	27	527	35	22
564	561	557	555	555	554	555	556	558	553	16	00	564	10	37	532	32	23
557	557	556	556	555	554	554	554	556	549	4	00	559	11	12	522	37	24
549	554	553	553	553	552	551	552	553	549	6	16	562	9	33	529	33	25
549	555	557	555	555	555	553	552	552	549	18	00	557	9	58	531	26	26
556	558	556	557	555	557	554	559	556	553	7	09	560	13	48	537	23	27
549	552	557	557	558	556	552	550	550	550	7	10	560	10	40	524	36	28
555	556	553	549	553	554	556	552	552	546	17	00	556	12	22	525	31	29
557	557	557	557	560	551	556	556	555	551	20	00	560	12	44	534	26	30
544	549	551	552	553	553	553	549	554	549	6	52	557	12	28	535	22	31
553	555	556	557	557	556	557	557	557	552							31	
553	555	556	556	556	555	558	558	558	552							27	

FEBRUARY, 1907.

33500r PLUS TABULAR QUANTITIES.

556	558	561	559	559	559	558	556	555	550	18	00	561	11	21	529	32	1
551	555	556	557	558	558	555	557	556	552	20	00	558	10	21	537	21	2
550	550	552	554	556	559	559	560	559	551	22	30	562	10	33	536	26	3
546	549	547	551	552	553	557	556	556	549	0	00	559	10	41	533	26	4
548	550	550	552	553	556	555	558	556	548	23	00	558	11	44	531	27	5
540	546	547	548	548	546	545	545	549	545	1	46	559	12	00	530	29	6
560	562	554	551	554	555	550	570	565	552	23	00	570	7	46	531	39	7
558	564	564	564	559	558	559	564	565	559	21	10	582	12	48	533	49	8
562	571	548	555	562	603	604	609	604	562	22	18	619	11	52	511	108	9
567	572	572	568	574	572	572	570	568	573	0	00	604	13	38	553	51	10
569	565	554	575	572	564	567	564	571	567	15	08	584	18	00	554	30	11
565	563	571	571	572	570	568	565	565	564	6	58	575	12	42	546	29	12
572	562	567	569	569	569	566	566	561	563	7	15	574	10	32	547	27	13
571	572	569	570	569	574	577	574	568	560	2	00	577	11	22	533	44	14
560	570	570	570	569	568	569	568	569	565	6	09	576	13	16	549	27	15
570	568	571	571	574	574	574	574	572	567	7	32	580	12	28	551	29	16
559	561	562	569	572	572	572	572	572	566	23	00	572	12	00	554	18	17
561	562	563	565	568	569	570	572	571	563	23	00	572	12	26	553	19	18
563	569	568	567	567	568	568	569	569	565	7	13	571	13	00	549	22	19
559	561	564	564	563	563	560	563	566	564	2	26	581	11	00	548	33	20
559	563	563	563	567	566	567	566	566	562	4	38	572	11	31	547	25	21
566	569	568	571	571	572	573	573	573	566	4	24	578	11	16	546	32	22
575	571	574	572	566	570	568	566	565	568	14	36	578	11	00	555	23	23
567	575	577	576	575	575	572	569	568	567	3	20	579	11	00	547	32	24
569	570	575	574	574	573	574	570	574	568	4	22	578	14	54	554	24	25
569	577	578	578	576	574	572	571	571	569	18	00	578	10	36	551	27	26
565	572	573	575	574	571	566	566	570	566	6	00	575	11	00	546	29	27
566	572	572	572	567	567	570	567	568	566	6	00	577	11	24	548	29	28
562	564	564	565	566	567	567	567	567	561							32	
557	561	561	563	564	564	563	564	563	558							25	

MARCH, 1907.

33500_r PLUS TABULAR QUANTITIES.

Day	1 ^h	2 ^h	3 ^h	4 ^h	5 ^h	6 ^h	7 ^h	8 ^h	9 ^h	10 ^h	11 ^h	Noon	13 ^h	14 ^h	15 ^h
1	569	568	571	567	571	569	574	565	565	555	551	547	557	555	555
2	565	569	566	568	567	567	567	561	557	556	557	552	547	555	559
3	569	569	569	569	586	570	569	567	564	561	558	558	560	561	560
4	571	570	569	569	568	570	570	563	554	554	553	552	555	554	560
5*	573	572	569	569	568	568	569	562	558	558	556	557	551	557	566
6	571	574	570	568	566	567	571	571	564	562	558	553	556	560	566
7	576	574	573	572	565	568	568	570	568	563	572	574	569	566	569
8	572	571	570	568	568	570	564	561	557	560	563	567	564	567	565
9	575	575	574	571	568	567	565	562	560	558	559	563	568	570	575
10	597	583	585	585	565	577	582	573	565	563	562	547	553	569	576
11	577	582	583	587	589	579	578	573	569	566	566	570	568	566	573
12	564	571	592	587	590	585	578	571	571	568	568	569	572	578	589
13	585	585	586	591	589	588	588	575	(570)	(567)	(565)	(565)	(569)	(574)	(576)
14*	578	578	578	580	580	582	578	570	559	557	553	554	564	572	575
15*	584	585	585	587	588	587	586	577	575	571	570	574	576	579	582
16*	582	583	582	583	584	585	584	577	572	569	566	565	564	572	577
17*	583	583	583	582	584	584	584	577	573	572	572	568	573	577	579
18*	585	585	582	582	582	584	584	582	577	574	570	570	575	575	573
19*	588	588	585	583	586	586	585	574	569	571	574	574	575	579	583
20*	590	586	584	589	590	590	591	586	581	576	577	575	577	583	588
21	593	590	591	589	588	587	588	588	583	583	580	578	577	584	585
22	596	600	597	596	594	593	587	587	583	582	582	586	591	594	592
23*	599	598	598	597	593	592	588	588	585	586	588	591	592	597	601
24	598	598	599	598	598	596	592	587	581	581	587	591	595	599	598
25	...	...	...	...	...	...	...	...	...	...	589	592	598	599	597
26	600	601	602	601	602	600	596	583	584	584	586	589	590	595	596
27	600	599	601	601	604	601	599	594	592	588	593	595	596	601	609
28	597	601	602	605	606	604	600	596	590	587	590	591	593	598	599
29*	603	602	605	610	612	612	606	600	591	590	587	593	599	600	601
30	605	606	608	609	610	611	605	600	595	592	593	595	599	606	609
31	...	...	...	...	...	...	...	603	601	593	589	586	598	...	...
Mean.....	583	583	583	584	583	583	581	576	572	570	569	570	572	576	579
Mean*....	586	586	585	586	587	587	586	579	574	572	571	572	575	579	582

APRIL, 1907.

33500_r PLUS TABULAR QUANTITIES.

1	...	...	...	...	...	...	...	604	604	601	...	...	...	...	...
2*	605	603	603	603	603	605	604	597	587	580	580	590	593	596	599
3*	604	603	602	601	602	604	601	596	592	594	597	601	607	608	605
4	607	606	606	604	603	603	602	597	593	592	...	...	...	...	...
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	600
11	601	605	607	611	613	608	599	596	594	593	592	597	596	604	600
12	596	599	599	602	604	603	594	587	579	579	579	584	590	588	587
13	588	588	592	595	596	596	591	585	583	585	587	587	590	586	587
14	588	590	596	589	587	592	578	593	590	597	594	596	593	591	593
15	601	594	595	595	597	601	599	598	597	597	594	599	602	603	603
16	599	600	598	599	601	593	590	594	593	586	583	580	583	596	601
17*	698	594	600	600	599	602	602	600	600	597	598	595	596	600	606
18	602	599	597	597	597	599	598	594	592	589	593	596	595	590	602
19*	594	597	595	597	599	598	597	595	591	591	591	588	585	593	592
20*	592	592	592	591	590	590	587	584	583	579	579	581	586	588	589
21*	593	593	593	593	593	591	590	589	589	588	587	588	587	587	589
22*	592	591	591	590	586	586	581	582	581	579	577	577	584	589	589
23*	591	592	591	592	592	591	587	585	580	578	581	581	586	595	599
24*	593	594	595	594	593	594	588	586	585	583	583	586	586	589	592
25	590	591	592	593	592	589	583	584	583	586	588	588	590	593	599
26	594	595	596	600	594	594	584	580	581	584	586	588	586	583	586
27	590	589	594	593	593	593	590	585	583	582	583	585	590	595	598
28	590	593	594	596	599	598	595	591	594	594	594	591	594	596	594
29*	592	590	594	597	600	601	601	593	589	583	584	582	582	583	588
30	589	589	589	589	591	592	589	583	578	574	575	577	584	591	592
Mean.....	595	595	596	596	596	596	592	590	587	586	587	588	590	593	595
Mean*....	595	595	596	596	596	596	594	591	588	585	586	587	589	593	595

* The mean hourly values given on the bottom line are derived from the "quiet days" indicated by asterisks.

MARCH, 1907.

33500₇ PLUS TABULAR QUANTITIES.

16 ^h	17 ^h	18 ^h	19 ^h	20 ^h	21 ^h	22 ^h	23 ^h	24 ^h	Mean	Maximum			Minimum			Range	Day
<i>Y</i>	<i>Y</i>	<i>Y</i>	<i>Y</i>	<i>Y</i>	<i>Y</i>	<i>Y</i>	<i>Y</i>	<i>Y</i>	<i>Y</i>	<i>h</i>	<i>m</i>	<i>Y</i>	<i>h</i>	<i>m</i>	<i>Y</i>	<i>Y</i>	
569	565	563	564	565	577	573	572	569	565	7	11	577	11	22	545	32	1
563	571	570	572	574	575	571	571	570	565	21	00	575	13	00	547	28	2
563	571	573	574	573	574	574	572	575	568	5	00	586	15	30	557	29	3
566	571	569	572	575	576	576	576	574	566	22	26	576	12	19	550	26	4
566	557	568	570	573	573	572	572	570	566	0	00	574	13	00	551	23	5
567	565	563	568	570	575	576	576	575	567	22	00	576	12	00	553	23	6
566	568	570	570	570	570	570	571	573	570	1	00	576	10	00	563	13	7
566	566	567	568	568	569	570	572	574	567	24	00	574	9	00	557	17	8
574	572	567	567	566	565	567	566	570	568	14	41	576	10	00	558	18	9
581	582	579	572	569	577	582	580	580	574	0	54	600	12	00	547	53	10
574	585	583	584	572	563	551	563	557	573	3	55	590	22	00	551	39	11
591	591	594	594	593	587	586	585	585	582	5	15	594	0	38	551	43	12
(578)	581	582	585	584	585	583	580	578	580	4	00	591	(12 00)	(565)	26	13	
574	581	584	587	590	588	587	586	584	576	20	00	590	11	27	549	41	14
584	587	587	589	589	588	588	585	585	583	19	00	589	11	00	570	19	15
580	582	583	587	589	589	588	587	586	580	20	00	589	13	00	564	25	16
582	584	584	588	589	588	589	588	587	581	20	00	589	12	00	568	21	17
576	578	583	585	588	588	588	587	589	581	24	00	589	11	25	566	23	18
582	586	588	589	588	591	593	591	591	583	22	00	593	9	23	567	26	19
589	590	590	589	589	594	590	592	592	587	21	00	594	11	45	574	20	20
588	584	587	579	603	608	604	603	594	589	23	19	629	12	10	570	59	21
595	595	597	595	595	596	598	597	598	593	1	24	602	11	00	582	20	22
600	598	600	600	599	598	599	598	598	595	14	45	602	9	29	583	19	23
599	596	598	...	...	...	...	...	...	...	14	17	600	10	00	581	19	24
601	601	600	601	601	598	596	596	598	...	13	48	601	...	...	...	...	25
(598)	601	604	605	603	601	602	598	598	597	19	00	605	8	21	581	24	26
(604)	600	605	605	602	601	598	596	595	599	15	00	609	10	00	588	21	27
601	603	608	607	606	604	604	603	603	600	4	38	608	10	00	587	21	28
604	608	611	614	613	612	608	608	606	604	19	00	614	11	12	587	27	29
612	608	609	613	...	...	...	...	...	...	19	00	613	10	20	591	22	30
...	607	608	609	...	...	...	...	...	...	...	...	...	12	00	586	...	31
581	582	584	584	585	586	585	584	584	580							27	
584	585	588	590	591	591	590	589	589	584							24	

APRIL, 1907.

33500₇ PLUS TABULAR QUANTITIES.

...	...	601	607	609	609	609	607	607	...	24	00	607	10	48	579	28	1
598	599	600	604	605	606	605	606	607	599	14	15	609	9	00	592	17	2
603	602	602	603	605	606	605	606	606	602	1	52	608	9	58	590	18	3
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	9
598	597	595	599	597	597	595	596	596	...	...	...	...	...	...	...	...	10
588	593	597	599	596	597	595	594	593	599	4	36	614	16	37	588	26	11
587	581	585	587	590	590	588	586	586	590	5	48	604	11	00	579	25	12
586	585	583	587	590	590	585	589	583	588	6	17	597	17	18	582	15	13
595	593	584	597	595	596	595	594	596	592	10	26	602	7	00	578	24	14
599	594	597	597	600	598	596	599	605	598	24	00	605	2	00	594	11	15
598	598	598	602	602	605	606	601	611	597	23	54	612	12	13	579	33	16
603	595	596	597	600	595	600	601	603	599	0	00	611	21	05	594	17	17
595	595	591	594	595	598	592	596	606	596	24	00	606	18	25	586	20	18
589	588	587	587	589	591	591	591	590	592	0	00	606	12	54	585	21	19
589	589	588	588	589	590	591	592	593	588	24	00	593	10	40	577	16	20
590	590	591	587	589	591	591	592	592	590	2	00	593	19	09	586	7	21
588	590	590	587	587	588	588	590	591	586	15	16	593	11	15	577	16	22
594	593	591	593	591	592	593	594	593	590	14	55	600	10	09	576	24	23
591	590	590	589	588	588	587	588	588	589	3	24	595	9	09	582	13	24
595	595	593	595	591	593	593	595	595	591	15	24	599	7	37	580	19	25
591	596	596	594	592	591	591	590	590	590	3	34	603	8	11	579	24	26
599	593	597	597	597	596	595	594	595	592	15	40	600	10	00	582	18	27
594	595	598	599	600	600	599	594	592	595	20	04	600	0	04	589	11	28
591	586	589	593	593	593	592	590	589	591	6	52	602	12	50	580	22	29
(592)	(593)	593	597	598	600	597	597	594	589	21	00	600	10	18	572	28	30
593	592	593	594	595	595	594	594	595	593							20	
594	592	592	593	594	594	594	595	595	593							18	

MAY, 1907.

33500_r PLUS TABULAR QUANTITIES.

Day	1 ^h	2 ^h	3 ^h	4 ^h	5 ^h	6 ^h	7 ^h	8 ^h	9 ^h	10 ^h	11 ^h	Noon	13 ^h	14 ^h	15 ^h
1*	592	592	591	593	594	596	597	597	596	597	598	596	593	595	597
2	599	599	596	595	596	598	599	603	601	602	604	603	599	600	602
3	606	603	602	599	600	602	599	603	606	605	608	608	610	609	606
4*	606	605	604	602	601	600	598	598	601	600	601	600	598	597	599
5*	604	603	601	600	598	598	595	597	597	604	604	598	596	600	606
6	602	604	603	598	598	598	590	600	598	601	610	614	611	610	614
7*	607	603	607	607	606	605	601	597	604	610	609	610	610	609	612
8*	607	607	609	608	606	605	597	597	599	601	604	605	604	604	604
9	604	603	604	(602)	(601)	(601)	(598)	(598)	(600)	(604)	(606)	(606)	(605)	(605)	(606)
10	605	604	604	604	606	606	599	592	594	598	600	605	601	610	(603)
11	601	602	605	606	606	602	596	592	590	595	596	596	595	597	600
12	599	602	602	603	604	606	601	601	601	603	603	604	601	605	605
13	605	606	614	606	601	604	605	601	596	598	602	603	605	607	613
14	599	601	603	605	607	607	603	600	598	597	599	601	596	599	613
15	608	607	601	605	608	606	603	605	597	594	595	598	601	601	609
16	597	597	597	597	(596)	(596)	(594)	(593)	(595)	(599)	(600)	(601)	(601)	(601)	(601)
17	601	597	596	598	596	599	599	597	597	600	600	599	599	597	593
18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20	604	604	604	604	607	603	600	598	598	596	594	597	600	605	607
21	602	600	599	599	599	597	597	597	595	601	606	607	608	608	603
22	591	599	600	600	600	598	590	588	593	596	603	605	605	607	605
23*	596	600	596	598	596	594	597	594	590	590	592	596	598	598	599
24	604	598	597	602	599	593	597	593	591	595	602	605	607	611	610
25*	600	600	603	602	602	600	592	590	594	594	600	602	605	606	612
26*	596	592	595	597	599	595	595	589	590	593	597	597	599	598	599
27*	595	596	598	600	603	601	595	590	589	589	592	593	596	600	606
28	592	594	595	597	596	601	595	589	586	584	590	589	590	602	599
29	598	598	601	595	602	602	599	602	601	613	613	609	599	603	607
30*	601	598	599	601	602	602	598	597	599	603	601	601	607	603	605
31	595	597	600	594	601	600	599	596	598	602	594	596	606	605	607
Mean.....	601	600	601	601	601	601	597	596	596	599	601	602	602	603	605
Mean *...	600	600	600	601	601	600	596	595	596	598	600	600	601	601	604

JUNE, 1907.

33500_r PLUS TABULAR QUANTITIES.

1	601	600	599	600	598	600	600	597	597	600	598	597	604	608	612
2*	606	605	604	599	598	598	597	596	601	607	605	604	604	609	604
3	607	606	604	603	600	599	596	596	598	598	603	608	608	611	608
4	608	607	604	604	599	596	592	596	592	600	604	604	603	602	604
5*	606	606	606	605	604	600	597	597	601	603	610	611	609	614	611
6	603	605	607	607	606	607	602	604	604	607	608	613	617	616	623
7	611	618	616	615	614	607	600	602	604	615	614	619	612	623	619
8*	614	611	614	615	616	617	614	608	605	604	601	605	611	618	622
9*	612	614	615	615	616	614	610	600	596	596	597	604	611	611	615
10	608	607	613	623	622	621	616	611	601	598	603	611	617	620	620
11	620	619	617	621	623	618	612	610	610	610	613	613	616	619	616
12	617	614	622	622	624	627	624	622	624	621	620	628	626	629	630
13*	622	623	623	623	624	627	622	614	618	621	630	630	625	626	628
14	624	616	617	619	622	627	621	613	616	616	621	617	(620)	(624)	(625)
15*	625	624	625	625	627	627	628	626	624	627	626	629	631	634	632
16*	624	623	623	624	619	619	619	616	620	624	623	624	623	626	627
17	621	621	618	617	618	617	613	617	617	621	625	626	625	626	626
18	629	616	618	619	624	615	615	610	615	617	621	625	626	626	624
19	623	624	624	624	624	622	612	609	625	623	622	624	626	623	624
20	628	633	632	632	633	627	621	622	629	632	633	638	642	647	649
21	628	628	627	630	627	622	620	624	622	626	632	637	634	636	642
22	634	635	631	629	636	627	617	618	623	619	622	630	630	628	642
23	630	635	631	630	633	629	629	627	627	631	634	632	634	639	643
24	634	636	642	638	635	634	631	627	631	631	627	629	630	643	646
25*	627	630	626	631	635	632	627	628	630	627	628	629	638	644	645
26*	623	626	626	627	630	630	627	623	620	626	626	626	626	624	628
27	630	631	629	640	625	624	622	622	630	626	620	620	626	629	633
28	625	624	621	625	623	628	627	627	623	630	636	641	641	640	636
29*	628	625	623	622	624	625	626	628	632	636	634	636	635	633	632
30	628	626	624	623	623	624	619	614	614	618	622	623	625	622	619
Mean.....	620	620	619	620	620	619	615	613	615	617	619	621	623	625	626
Mean *...	619	619	618	619	619	619	617	614	615	617	618	620	621	624	624

* The mean hourly values given on the bottom line are derived from the "quiet days" indicated by asterisks.

HOURLY VALUES OF VERTICAL INTENSITY.

77

MAY, 1907.

33500 γ PLUS TABULAR QUANTITIES.

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean	Maximum			Minimum			Range	Day
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h	m	γ	h	m	γ	γ	
597	597	598	598	602	604	605	602	601	597	22	00	605	1	10	591	14	1
597	600	600	598	599	600	604	605	606	600	24	00	606	2	38	596	10	2
605	604	605	602	607	607	605	607	603	605	14	33	612	4	00	599	13	3
595	594	594	595	596	601	602	604	604	600	1	22	607	7	31	594	13	4
607	603	601	601	600	600	600	600	602	601	16	00	607	6	51	595	12	5
605	605	603	602	602	601	605	606	608	604	14	45	618	7	04	587	31	6
611	609	609	606	605	603	603	606	607	606	11	35	614	7	45	596	18	7
603	605	605	606	605	605	602	602	602	604	4	27	610	7	22	597	13	8
(606)	605	606	607	606	604	606	601	600	604	19	00	607	(7 00)	(598)	9	9	9
(600)	598	598	603	606	602	606	606	603	602	14	00	610	8	00	592	18	10
604	603	603	605	604	604	601	600	600	600	4	00	606	8	41	588	18	11
605	603	602	603	603	609	607	603	601	603	21	00	609	1	00	599	10	12
607	608	607	606	608	609	607	607	606	605	3	08	615	8	35	594	21	13
608	609	606	604	605	607	608	605	601	603	15	00	613	13	00	596	17	14
607	602	600	602	602	604	598	600	598	602	15	17	611	10	16	591	20	15
(601)	600	600	600	601	599	599	600	600	599	20	24	608	(8 00)	(592)	15	16	16
593	---	---	---	---	---	---	---	---	---	0	43	605	15	24	591	14	17
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	18
---	608	608	605	608	603	599	604	602	---	---	---	---	---	---	---	---	19
607	(604)	(604)	(603)	(602)	602	599	599	602	602	15	13	611	11	00	594	17	20
603	604	602	598	597	594	594	596	585	600	13	00	608	24	00	585	23	21
602	603	601	597	598	596	597	598	599	599	14	00	607	0	00	585	22	22
606	599	600	596	596	597	595	594	597	596	16	00	606	10	18	587	19	23
605	599	599	597	593	592	592	596	598	599	14	40	612	6	31	590	22	24
605	601	599	596	597	595	595	593	593	599	14	52	613	7	32	588	25	25
602	602	601	603	600	598	595	594	593	597	19	00	603	8	00	589	14	26
606	604	601	598	599	598	597	596	593	597	15	08	607	9	00	589	18	27
592	599	598	594	590	607	600	605	603	595	21	22	611	8	41	582	29	28
611	610	608	609	609	608	607	605	603	605	10	03	614	1	44	595	19	29
606	605	605	606	606	606	606	606	604	603	13	00	607	7	44	596	11	30
608	606	606	609	608	609	606	606	605	602	13	05	608	4	08	593	15	31
604	603	602	602	602	602	601	602	601	601							17	
604	602	601	600	601	601	600	600	600	600							16	

JUNE, 1907.

33500 γ PLUS TABULAR QUANTITIES.

606	605	604	605	607	608	609	609	608	603	15	00	612	8	05	595	17	1
604	602	600	600	603	606	606	606	609	603	13	57	609	8	00	596	13	2
607	605	602	607	604	605	604	594	600	603	13	54	612	23	22	594	18	3
606	602	602	603	602	603	603	604	604	602	1	42	610	7	12	589	21	4
609	611	606	605	602	602	602	603	604	605	14	19	615	7	09	595	20	5
615	618	614	611	607	603	603	603	605	609	14	48	626	7	32	596	30	6
622	619	617	616	612	611	611	610	609	614	12	29	625	8	22	597	28	7
618	618	619	618	616	617	614	613	612	613	14	39	623	10	50	600	23	8
619	615	616	616	618	615	612	613	617	611	16	00	619	8	52	593	26	9
623	622	623	624	622	621	617	605	613	615	15	56	624	9	19	595	29	10
622	624	624	622	623	618	619	615	617	618	15	22	625	0	22	610	15	11
629	628	628	630	630	630	628	625	624	625	12	24	630	1	48	613	17	12
627	624	624	626	628	626	625	623	620	624	11	39	633	8	18	614	19	13
(626)	624	627	626	627	628	627	626	626	622	21	00	628	8	00	613	15	14
632	629	626	625	626	627	627	625	625	627	14	10	634	9	13	623	11	15
628	625	624	624	623	624	624	623	622	623	16	06	629	7	44	615	14	16
617	616	617	619	621	622	624	624	627	621	24	00	627	7	00	613	14	17
621	619	620	625	626	626	627	619	620	621	0	57	630	7	57	609	21	18
629	627	622	628	632	629	624	623	634	624	15	42	638	7	25	605	33	19
639	633	629	629	628	626	629	628	627	632	14	21	650	6	53	620	30	20
641	635	632	630	629	620	625	627	635	630	15	18	644	21	43	609	35	21
643	640	640	635	632	629	632	633	631	631	14	17	646	7	12	613	33	22
644	642	637	635	634	630	630	629	633	633	16	00	644	8	42	623	21	23
643	641	638	633	629	633	633	630	628	634	15	13	647	8	12	627	20	24
641	635	636	636	634	632	629	627	627	632	14	46	646	3	00	626	20	25
633	633	634	634	632	634	628	626	629	628	18	00	634	8	43	616	18	26
638	634	628	634	633	627	627	626	628	628	3	56	641	10	35	619	22	27
638	637	634	632	630	631	631	632	635	631	12	35	642	2	15	617	25	28
633	631	627	629	631	631	632	631	629	630	12	23	637	3	27	622	15	29
620	616	616	621	625	625	625	626	626	622	0	00	629	7	54	613	16	30
626	624	622	623	622	621	621	619	621	620							21	
624	622	621	621	621	621	620	619	619	620							18	

JULY, 1907.

33500_r PLUS TABULAR QUANTITIES.

Day	1 ^h	2 ^h	3 ^h	4 ^h	5 ^h	6 ^h	7 ^h	8 ^h	9 ^h	10 ^h	11 ^h	Noon	13 ^h	14 ^h	15 ^h
1	623	620	619	620	616	622	625	621	626	628	621	622	617	627	622
2	630	621	621	626	622	616	611	618	609	611	615	622	624	626	624
3	626	631	626	626	626	622	616	617	620	618	619	618	621	625	629
4*	627	627	626	628	626	623	621	620	622	627	628	629	633	633	636
5	626	627	626	625	625	622	615	619	622	624	627	627	633	630	622
6	624	627	629	631	632	622	621	618	618	624	624	628	629	633	633
7	623	625	621	617	623	621	608	612	624	626	627	626	618	626	627
8	620	623	625	625	627	623	617	624	629	634	635	628	632	631	633
9	620	621	625	625	624	624	619	621	625	626	627	631	631	636	631
10	621	625	620	622	624	621	615	615	618	624	619	618	628	640	630
11	639	627	638	622	632	624	630	622	615	617	616	617	621	623	631
12	623	624	626	631	627	626	622	617	618	622	626	626	621	621	625
13*	622	621	621	622	624	626	624	622	625	620	617	617	614	619	623
14	618	619	616	615	615	617	616	615	614	611	611	610	611	619	619
15*	619	617	617	617	619	620	618	612	610	609	611	619	623	625	624
16*	619	619	619	618	619	621	619	616	614	616	622	624	626	618	628
17*	622	618	617	617	618	617	616	615	615	620	621	620	617	621	619
18*	620	620	621	619	619	619	615	612	615	619	622	622	626	624	623
19*	621	620	619	618	619	618	617	618	619	621	621	623	625	630	630
20*	620	620	622	618	618	615	613	610	610	611	614	617	618	622	622
21*	620	621	620	620	620	618	611	605	600	604	612	619	620	620	626
22	615	615	619	617	617	615	609	600	598	599	602	612	613	615	621
23	612	616	615	616	615	613	611	608	606	608	613	614	610	606	609
24	611	611	612	615	614	609	599	599	598	595	602	604	608	615	621
25	608	609	606	608	611	609	618	613	614	610	606	603	596	608	612
26	606	610	608	611	612	613	607	610	610	611	610	610	612	614	618
27	607	604	608	610	608	607	611	608	609	608	606	608	609	606	608
28	604	602	599	617	623	613	608	607	600	599	609	616	619	619	619
29	615	615	611	604	612	612	607	611	614	615	614	616	613	617	619
30*	612	611	609	606	605	606	602	602	600	604	604	605	608	606	609
31	609	608	607	604	603	602	596	596	601	603	607	608	602	604	609
Mean.....	619	619	618	618	619	617	614	613	613	615	616	618	619	621	623
Mean *....	620	619	619	618	619	618	616	613	613	615	617	620	621	622	624

AUGUST, 1907.

33500_r PLUS TABULAR QUANTITIES.

1	613	610	605	601	608	600	590	597	609	610	607	611	616	618	618
2	616	609	610	610	609	607	600	601	607	610	612	611	613	612	618
3	611	617	610	610	610	606	607	605	605	608	614	617	611	614	606
4	610	610	607	610	610	607	607	599	599	601	599	610	612	611	617
5*	609	612	609	610	610	609	599	599	600	606	610	611	608	612	616
6	610	610	614	615	617	618	609	604	601	597	594	592	600	608	608
7	608	611	612	610	610	608	607	605	602	602	601	602	599	598	605
8*	606	609	610	610	610	609	605	610	611	608	609	606	610	608	615
9	615	606	607	610	613	612	612	609	612	613	615	612	618	615	611
10*	613	610	609	611	612	612	608	608	608	609	609	611	612	612	617
11*	614	611	610	612	612	613	612	614	621	621	618	614	608	609	612
12*	611	611	610	610	613	615	613	609	609	609	610	616	616	618	618
13*	613	613	611	611	612	613	611	611	614	616	618	615	614	616	614
14	612	610	610	607	607	608	604	602	602	608	610	612	611	611	607
15*	615	614	612	611	611	611	610	602	606	608	610	612	610	611	610
16	616	615	612	610	608	610	613	615	618	615	618	622	623	621	613
17	616	614	615	614	613	613	606	606	610	612	611	614	616	617	617
18	618	618	617	616	613	610	606	610	611	610	611	614	618	612	618
19	616	616	618	614	614	613	609	606	602	602	606	618	613	616	617
20	610	612	614	614	611	608	609	605	603	602	603	602	604	609	612
21	615	613	617	608	613	613	606	610	609	607	607	612	614	619	624
22	614	617	616	620	616	616	609	607	614	614	612	612	611	611	614
23	613	620	617	616	612	613	610	611	615	614	614	611	608	605	608
24	613	613	614	615	618	613	613	611	611	606	597	599	605	606	611
25*	610	611	610	611	615	615	606	606	604	602	601	600	601	607	607
26	608	610	612	610	612	612	609	606	602	605	609	609	611	610	610
27	614	615	610	610	611	615	611	605	606	606	607	604	...	...	...
28*	613	613	614	610	610	610	602	599	599	600	598	596	598	601	603
29*	614	613	612	610	612	612	604	598	597	599	600	601	603	604	608
30	614	613	617	616	609	605	599	595	604	582	596	609	620	620	618
31	616	615	615	614	612	609	601	598	599	598	601	608	609	611	610
Mean.....	613	613	612	612	612	611	607	605	607	606	607	609	610	611	613
Mean *....	612	612	611	611	612	612	607	606	607	608	608	608	608	610	612

* The mean hourly values given on the bottom line are derived from the "quiet days" indicated by asterisks.

JULY, 1907.

33500r PLUS TABULAR QUANTITIES.

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean	Maximum		Minimum		Range	Day
r	r	r	r	r	r	r	r	r	r	h	m	h	m	r	
628	625	626	623	626	627	628	629	623	624	23	00	629	4	14	1
624	622	619	623	623	625	625	629	629	621	1	09	634	7	12	2
629	627	622	624	625	623	624	626	626	624	14	34	630	7	10	3
630	633	630	627	626	626	626	626	628	628	15	33	639	7	25	4
626	627	624	624	624	623	620	619	624	624	13	36	633	6	54	5
631	626	627	627	626	625	620	616	620	625	14	32	635	7	30	6
629	629	628	626	624	619	619	622	627	623	2	30	639	7	12	7
633	631	626	625	625	623	621	621	619	626	10	30	637	7	00	8
628	632	628	627	625	624	618	625	620	626	14	21	637	22	00	9
635	621	625	634	637	629	613	615	632	624	13	53	645	22	31	10
632	631	629	631	629	631	626	633	628	627	3	05	640	1	27	11
623	624	625	625	623	627	626	625	624	624	3	50	633	8	00	12
624	623	621	623	624	624	626	620	620	622	22	00	626	11	21	13
619	624	620	623	624	625	626	623	621	618	22	00	626	10	42	14
620	616	616	617	620	621	622	622	621	618	14	00	625	10	18	15
622	619	617	618	619	618	619	622	623	620	15	00	628	9	00	16
618	614	615	618	620	619	620	621	621	618	0	00	623	16	55	17
619	618	616	619	619	621	622	622	623	620	13	00	626	8	00	18
625	621	617	617	618	621	622	620	620	621	14	00	630	7	00	19
622	619	618	617	615	617	616	617	619	617	14	24	624	8	00	20
623	621	621	618	617	616	613	615	616	616	15	00	626	9	00	21
621	619	620	620	614	613	612	608	610	613	16	18	624	8	27	22
615	611	611	611	613	612	610	609	612	612	1	34	619	7	09	23
618	617	615	615	616	613	611	609	614	610	15	00	621	10	00	24
620	617	618	616	619	617	614	611	611	611	16	33	623	13	00	25
617	614	611	611	609	615	618	614	612	612	22	00	618	0	45	26
615	613	611	611	627	620	613	603	600	610	19	54	629	21	29	27
616	617	616	617	615	619	621	609	620	613	1	17	627	2	47	28
619	618	616	616	615	615	617	617	616	614	15	43	621	4	00	29
610	609	607	606	607	609	608	608	610	607	0	00	616	7	42	30
606	606	604	608	609	610	611	610	611	606	24	00	611	7	23	31
623	621	619	620	620	620	619	618	619	618						22
622	619	618	618	618	619	619	619	620	619						16

AUGUST, 1907.

33500r PLUS TABULAR QUANTITIES.

607	609	606	611	611	611	605	606	612	608	13	45	620	7	12	589	31	1
610	610	611	611	609	610	611	611	611	610	15	16	621	7	36	598	23	2
607	608	609	608	607	608	610	610	610	610	11	42	619	6	52	601	18	3
618	614	611	610	608	610	611	612	610	609	15	28	620	8	39	599	21	4
616	613	612	611	610	610	608	609	610	609	15	10	617	7	08	599	18	5
606	608	608	609	609	610	610	604	604	607	2	21	616	12	00	592	24	6
608	608	610	611	609	609	610	607	607	607	3	00	612	13	36	597	15	7
616	615	617	616	613	613	612	610	611	611	15	53	617	6	52	603	14	8
613	613	617	617	616	616	612	613	614	613	13	00	618	2	20	606	12	9
617	621	617	620	620	619	618	617	621	614	17	00	621	13	07	608	13	10
611	612	612	615	616	617	614	613	612	613	9	27	622	13	33	606	16	11
616	617	617	618	618	619	618	617	616	614	14	23	619	8	21	609	10	12
614	615	615	616	617	618	618	618	615	614	10	27	619	7	51	586	33	13
613	610	611	611	612	614	617	614	615	610	21	47	618	8	00	602	16	14
612	610	611	611	612	615	616	616	616	611	22	22	618	8	00	602	16	15
613	613	611	609	612	616	618	617	618	615	13	00	623	5	00	608	15	16
613	613	611	612	613	614	618	620	620	614	24	00	620	7	21	576	44	17
614	616	610	612	612	613	611	613	618	613	0	00	620	7	39	602	18	18
616	614	612	609	610	614	613	609	609	612	3	16	622	9	00	602	20	19
613	607	609	613	613	608	605	593	611	608	18	48	615	22	52	547	68	20
619	620	617	618	617	611	617	613	612	614	15	00	624	7	20	602	22	21
619	616	616	616	622	619	616	614	614	615	19	30	622	7	55	605	17	22
610	610	611	614	618	623	622	617	613	614	21	00	623	13	39	603	20	23
612	613	617	615	617	618	614	612	612	611	5	18	619	11	20	596	23	24
612	616	618	620	620	621	618	616	614	611	21	00	621	12	00	600	21	25
609	609	611	614	615	618	617	616	615	611	20	25	620	8	33	601	19	26
607	606	609	613	616	617	617	615	615	607	21	00	617	7	33	604	13	27
610	610	611	611	615	615	615	614	615	607	20	00	615	11	48	595	20	28
612	613	615	616	614	616	615	614	614	608	0	00	615	8	31	595	20	29
612	607	608	608	609	610	611	612	613	610	14	21	626	10	00	582	44	30
									609	0	47	621	8	20	596	25	31
612	612	612	613	614	614	614	612	613	611							22	
613	614	614	615	615	616	615	614	614	611							18	

SEPTEMBER, 1907.

33500_r PLUS TABULAR QUANTITIES.

Day	1 ^h	2 ^h	3 ^h	4 ^h	5 ^h	6 ^h	7 ^h	8 ^h	9 ^h	10 ^h	11 ^h	Noon	13 ^h	14 ^h	15 ^h
1*	615	614	612	609	609	610	606	607	611	611	610	609	613	616	616
2*	613	614	614	613	611	610	605	606	607	610	609	606	610	607	608
3*	611	612	612	611	611	608	602	596	593	594	597	606	600	604	610
4*	612	612	612	611	607	606	608	604	603	609	605	604	605	609	611
5	615	616	614	613	612	611	606	608	612	612	614	617	618	619	617
6	610	611	616	613	613	619	604	603	602	601	605	609	610	611	610
7*	608	610	613	611	612	611	601	596	596	602	599	602	603	607	609
8*	609	607	608	610	612	613	602	594	590	592	597	599	601	602	605
9	607	607	609	610	611	611	604	602	603	600	599	597	602	603	608
10	608	609	609	609	611	610	601	590	582	582	596	605	605	606	617
11	617	614	610	618	616	612	607	606	604	605	605	600	597	600	610
12	626	617	617	619	618	621	619	615	608	613	614	611	615	611	614
13	622	622	621	620	620	620	614	609	607	614	617	613	611	611	612
14	619	618	615	612	613	612	607	608	608	608	608	604	607	610	606
15	(613)	(614)	(615)	(616)	(616)	(616)	(611)	608	606	609	611	615	617	619	618
16	617	616	617	609	610	609	605	601	599	611	607	613	608	613	617
17	617	619	618	617	619	616	611	602	602	597	596	590	598	625	622
18	(615)	(616)	(617)	(617)	(617)	(617)	(612)	(609)	(609)	(608)	(609)	609	610	607	610
19	614	616	619	620	620	614	604	600	602	610	607	605	611	610	616
20	618	618	623	623	623	623	617	615	613	610	611	614	610	614	619
21*	624	626	626	626	624	624	621	619	620	618	619	616	624	625	620
22*	615	616	618	622	622	622	615	609	604	601	600	599	600	605	609
23*	614	615	616	619	620	620	609	603	599	594	592	590	592	600	602
24	614	612	611	613	615	616	607	602	599	595	594	594	600	604	606
25	613	612	614	614	614	614	611	606	603	598	599	598	600	603	605
26	615	614	615	614	614	614	610	605	611	605	599	608	612	611	605
27*	627	622	618	618	617	616	614	611	609	607	606	606	604	609	612
28	618	618	617	616	616	617	614	610	606	601	595	593	599	601	604
29	614	615	616	614	615	613	609	608	594	597	602	606	608	609	606
30	614	613	614	615	615	612	609	604	596	601	613	615	606	603	601
Mean.....	615	615	615	615	615	615	609	605	603	604	604	605	607	609	611
Mean*.....	615	615	615	615	614	614	608	604	603	604	603	604	605	608	610

OCTOBER, 1907.

33500_r PLUS TABULAR QUANTITIES.

1	614	615	615	612	614	613	602	605	602	605	609	614	611	614	615
2	616	621	624	620	619	618	610	609	603	601	602	603	607	615	611
3	625	617	618	624	621	620	615	611	606	605	605	608	609	612	617
4*	619	620	621	621	621	620	613	612	607	601	601	607	610	615	619
5*	618	619	619	621	621	620	616	614	612	609	609	609	610	614	613
6*	613	613	613	613	615	613	610	602	599	600	606	610	607	609	611
7*	612	614	616	616	617	618	613	608	603	601	602	604	605	607	610
8	608	608	611	612	612	612	605	599	596	597	603	601	608	610	609
9	610	617	618	617	619	616	609	603	601	597	598	607	606	603	606
10	613	613	613	613	613	613	609	606	605	608	611	613	609	607	609
11	611	609	608	608	613	610	608	602	599	597	602	603	603	603	603
12*	613	613	613	612	612	611	607	604	603	606	611	611	612	612	612
13	614	612	611	613	608	609	602	594	601	595	594	589	585	590	602
14	622	619	617	613	612	611	610	601	606	595	603	601	602	603	613
15	615	621	619	620	611	614	605	607	610	613	619	619	617	620	621
16	616	618	618	616	618	613	605	592	593	593	598	610	609	612	613
17*	611	613	615	615	612	609	602	595	600	604	609	609	612	611	610
18*	610	611	613	613	611	608	603	597	595	596	603	609	609	608	610
19*	607	608	610	611	611	611	605	598	594	595	597	602	602	604	606
20*	605	607	609	611	609	609	602	594	589	588	590	592	594	596	603
21	613	610	609	612	612	611	609	606	606	610	611	610	609	607	609
22	605	606	605	604	600	608	604	607	594	600	602	611	619	608	604
23	609	615	610	613	614	613	613	608	607	605	604	605	602	595	602
24	607	606	608	608	609	611	610	611	613	610	610	614	613	609	608
25	612	610	609	609	610	609	608	608	608	607	603	601	600	602	604
26	609	609	608	608	608	611	605	600	602	600	600	602	599	601	603
27	609	608	612	613	610	615	606	599	594	595	600	606	609	611	603
28	615	614	612	611	611	611	611	609	610	610	610	611	610	608	605
29	613	611	614	614	613	605	606	605	606	608	608	613	612	610	606
30	607	611	613	612	612	609	604	600	602	602	605	607	608	604	610
31*	612	612	612	611	610	607	602	599	601	601	599	597	600	603	606
Mean.....	612	613	613	613	613	612	607	603	602	602	604	606	607	607	609
Mean*.....	612	613	614	614	614	613	607	602	600	600	603	605	606	608	610

* The mean hourly values given on the bottom line are derived from the "quiet days" indicated by asterisks.

SEPTEMBER, 1907.

33500 γ PLUS TABULAR QUANTITIES.

16 ^h	17 ^h	18 ^h	19 ^h	20 ^h	21 ^h	22 ^h	23 ^h	24 ^h	Mean	Maximum			Minimum			Range	Day
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h	m	γ	h	m	γ	γ	
617	612	613	612	612	610	610	610	612	612	14	46	617	7	13	602	15	1
608	614	614	612	612	611	610	611	610	610	3	00	614	7	17	601	13	2
612	614	612	607	609	609	609	609	607	607	16	31	616	9	34	591	25	3
614	614	616	617	615	612	609	610	611	610	18	24	618	8	51	601	17	4
618	614	615	617	616	614	612	610	610	614	13	10	620	6	47	603	17	5
611	610	612	610	607	609	610	611	610	609	6	00	619	7	35	598	21	6
611	609	612	615	613	612	611	609	608	608	19	00	615	8	46	594	21	7
607	606	609	611	612	613	613	611	609	606	6	00	613	9	24	588	25	8
608	607	611	612	613	613	614	610	609	607	21	33	617	11	42	597	20	9
617	615	615	630	627	632	629	628	625	611	19	08	634	8	23	554	80	10
613	617	617	619	622	620	613	626	623	612	23	03	627	13	02	597	30	11
615	618	617	618	619	620	625	624	622	617	1	00	626	9	00	608	18	12
614	613	616	616	620	620	620	619	619	616	2	00	622	8	43	606	16	13
608	609	(611)	(611)	(611)	(610)	(610)	(610)	(611)	610	(1	00)	(619)	12	30	604	15	14
618	616	616	615	615	615	616	616	618	614	14	24	620	9	00	606	14	15
615	615	616	612	615	616	616	616	615	612	16	30	624	8	55	596	28	16
616	615	615	615	613	613	(612)	(612)	(613)	611	14	22	630	11	41	581	49	17
612	613	607	613	607	615	613	615	615	612	(4	00)	(617)	17	45	606	11	18
618	624	621	624	622	622	618	619	622	615	20	27	626	7	42	597	29	19
620	622	621	620	622	621	618	615	616	618	18	21	628	10	17	607	21	20
626	627	629	628	627	625	621	618	618	623	18	08	629	0	00	616	13	21
614	618	622	623	623	620	618	617	616	614	19	43	624	12	39	598	26	22
606	610	613	616	618	619	618	617	616	609	5	38	620	12	00	590	30	23
608	612	614	619	620	620	620	617	614	609	20	17	620	10	49	512	28	24
605	607	612	615	618	618	620	619	617	610	22	00	620	10	31	594	26	25
605	609	606	606	611	618	630	619	624	612	22	15	632	10	54	598	34	26
612	614	613	615	617	618	618	619	619	614	1	08	627	12	24	604	23	27
609	609	611	611	614	614	608	614	611	609	0	00	619	11	32	591	28	28
604	606	608	609	609	611	611	612	613	609	1	17	617	9	09	593	24	29
598	610	604	614	613	612	612	614	615	609	19	08	616	9	03	593	23	30
612	613	614	615	616	616	615	615	615	612							25	
613	614	615	616	616	615	614	613	613	611							21	

OCTOBER, 1907.

33500 γ PLUS TABULAR QUANTITIES.

615	611	612	611	611	611	613	611	615	611	5	26	620	7	00	602	18	1
613	617	617	618	616	611	617	617	617	613	3	17	624	10	10	599	25	2
617	619	620	619	618	617	617	615	618	616	0	45	627	8	50	603	24	3
621	618	620	619	619	615	615	616	617	615	4	16	622	10	21	601	21	4
613	613	614	615	614	613	613	612	612	614	5	00	621	12	19	607	14	5
615	616	617	618	616	614	613	612	612	611	19	00	618	8	51	598	20	6
612	614	616	614	611	610	608	607	607	610	5	50	618	10	00	601	17	7
609	610	605	609	611	618	623	618	613	609	22	00	623	9	00	596	27	8
606	607	616	617	619	618	617	615	614	611	20	28	620	9	23	595	25	9
608	606	607	610	613	612	610	614	612	610	20	27	618	8	38	604	14	10
606	607	612	615	616	617	615	614	614	608	21	27	617	9	43	597	20	11
607	608	610	610	613	612	614	615	615	611	22	36	616	8	15	602	14	12
596	606	611	609	611	615	614	614	620	605	23	48	620	7	38	581	39	13
609	612	604	613	617	619	615	620	618	611	20	24	631	9	38	590	41	14
614	607	615	619	616	614	614	616	618	615	2	12	627	7	30	602	25	15
612	612	609	611	608	609	609	609	610	609	2	23	624	8	18	586	38	16
609	610	611	609	608	606	607	607	610	608	3	37	615	8	00	595	20	17
612	614	612	608	607	606	605	605	607	607	17	00	614	9	21	592	22	18
610	610	611	610	608	605	604	604	604	605	5	00	611	9	22	591	20	19
604	606	608	604	606	602	601	602	606	602	4	00	611	9	24	587	24	20
615	617	614	614	614	611	606	606	605	610	16	50	619	24	00	605	14	21
611	620	620	621	618	618	613	608	615	609	17	29	626	9	28	583	43	22
607	610	611	611	612	612	612	611	609	609	0	03	617	14	03	592	25	23
609	611	612	616	616	616	615	614	614	611	20	00	616	2	34	605	11	24
606	608	609	608	611	616	615	612	612	608	21	00	616	14	31	599	17	25
606	609	609	611	612	613	613	612	613	607	23	35	614	13	34	596	18	26
606	609	614	615	627	615	618	619	618	610	20	00	627	8	17	593	34	27
606	611	610	610	610	612	611	612	614	611	0	15	619	15	09	602	17	28
608	611	613	613	611	611	613	613	618	611	23	54	619	15	20	602	17	29
612	615	612	610	610	610	612	611	611	609	0	00	618	8	15	598	20	30
608	611	612	612	610	610	613	614	615	607	24	00	615	12	00	597	18	31
610	611	612	613	613	613	612	612	613	610							23	
611	612	613	612	611	609	609	609	610	609							19	

NOVEMBER, 1907.

33500γ PLUS TABULAR QUANTITIES.

Day	1 ^h	2 ^h	3 ^h	4 ^h	5 ^h	6 ^h	7 ^h	8 ^h	9 ^h	10 ^h	11 ^h	Noon	13 ^h	14 ^h	15 ^h
1*	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
2	616	616	615	616	618	617	609	605	597	601	(600)	(600)	(600)	(603)	(607)
3	616	613	628	617	621	615	612	603	602	602	602	602	607	608	608
4	630	630	629	634	632	627	622	617	610	610	(609)	(608)	(608)	(611)	(615)
5*	616	616	620	620	621	621	615	605	601	599	597	601	603	601	605
6	611	615	617	617	617	617	615	610	607	608	609	607	601	601	602
7	605	606	609	610	610	610	609	602	598	593	595	596	597	599	601
8	611	600	607	611	613	616	616	616	609	609	606	604	602	602	605
9	608	609	609	610	610	612	612	608	597	592	597	600	597	600	597
10	610	614	607	612	612	613	613	610	601	600	597	600	604	613	616
11	617	617	616	615	616	616	622	612	612	610	607	602	606	611	609
12	627	627	626	624	621	623	617	610	604	601	603	607	606	604	603
13	620	620	619	619	617	615	613	611	606	604	601	600	597	599	604
14	620	620	620	618	617	615	613	609	602	598	601	606	608	608	608
15*	616	618	618	619	619	615	615	606	598	600	601	603	607	616	619
16*	615	615	617	618	616	618	616	609	609	609	607	607	605	609	613
17*	618	621	622	626	622	621	621	615	611	610	610	607	604	605	610
18*	616	617	619	620	620	623	624	622	620	617	613	612	613	614	616
19*	616	618	620	620	621	623	624	621	613	609	607	608	608	609	614
20*	615	616	618	619	620	622	619	616	611	606	603	602	603	606	610
21	614	615	616	617	619	619	622	605	600	592	609	610	610	612	624
22	624	624	624	624	621	623	627	619	624	620	613	611	615	621	620
23	624	621	623	624	624	625	625	622	617	618	621	618	614	614	616
24	626	624	625	627	629	627	626	623	620	613	608	607	610	610	613
25*	623	625	623	622	623	623	624	618	614	611	612	612	617	620	620
26	624	623	623	624	622	622	619	618	618	617	613	606	610	616	618
27	621	622	622	623	623	623	624	619	621	613	614	619	623	624	627
28	630	630	630	630	628	628	629	626	623	622	621	621	621	625	626
29*	631	631	630	629	629	628	627	625	622	621	619	620	621	623	622
30	628	629	629	628	627	626	625	623	618	615	620	623	623	624	625
Mean.....	619	619	620	620	620	620	619	614	610	607	607	608	608	610	613
Mean*.....	618	619	620	621	621	621	619	614	610	608	607	608	609	611	614

DECEMBER, 1907.

33500γ PLUS TABULAR QUANTITIES.

1*	631	633	633	633	633	632	631	629	625	619	613	616	621	624	627
2*	631	634	634	635	633	632	631	628	626	626	629	630	631	632	629
3*	631	632	634	635	636	636	634	629	623	618	620	622	623	626	628
4	629	633	634	635	634	634	632	622	612	607	607	606	607	614	619
5	617	615	623	628	630	633	634	632	627	624	619	618	617	621	628
6	624	625	628	632	630	632	633	626	618	611	604	604	612	616	616
7	624	625	625	631	627	627	630	623	619	614	617	617	613	611	613
8	630	629	628	629	630	629	633	631	625	619	611	606	605	609	613
9*	627	627	626	626	626	627	629	630	629	626	624	622	621	621	623
10	630	629	628	626	626	626	629	625	622	620	620	620	615	616	616
11	635	634	632	631	630	629	629	626	619	612	607	605	604	603	606
12	637	634	637	634	630	630	631	631	625	627	627	633	626	632	633
13	638	637	636	634	632	631	631	627	623	620	617	611	609	617	624
14*	630	630	633	629	630	628	628	625	620	614	608	602	604	610	617
15*	626	628	627	627	628	626	627	622	618	615	614	611	613	615	621
16	622	624	626	626	626	626	623	617	611	609	612	613	614	613	618
17	632	637	636	638	641	641	638	633	625	623	625	626	628	631	631
18	635	636	637	638	640	640	639	634	626	621	620	622	625	629	633
19	631	633	635	635	636	638	638	631	622	614	612	608	612	616	620
20	630	629	630	635	632	632	635	631	621	618	611	608	612	612	614
21	626	627	625	628	630	632	630	628	618	609	601	605	612	613	615
22*	623	623	624	625	627	629	630	625	620	620	620	614	616	617	619
23*	623	623	623	624	624	625	627	626	620	615	612	612	613	612	616
24*	618	619	620	620	620	621	624	622	613	616	603	602	603	602	603
25*	620	621	619	619	618	616	619	619	615	613	615	613	608	608	605
26	617	618	618	619	618	618	619	615	608	604	607	611	613	614	615
27	620	620	618	630	616	620	619	619	612	608	613	614	616	617	614
28	618	620	622	621	620	620	621	621	617	613	612	611	616	613	619
29	620	621	622	620	620	620	621	620	615	614	608	603	605	607	609
30	618	620	620	624	620	618	616	615	614	610	613	615	615	615	618
31	623	626	627	625	626	625	624	623	614	608	603	605	611	618	620
Mean.....	626	627	628	629	628	628	629	625	619	616	614	613	614	616	619
Mean*.....	626	627	627	627	628	627	628	626	621	618	616	614	615	617	619

* The mean hourly values given on the bottom line are derived from the "quiet days" indicated by asterisks.

NOVEMBER, 1907.

33500 γ PLUS TABULAR QUANTITIES.

16 ^h	17 ^h	18 ^h	19 ^h	20 ^h	21 ^h	22 ^h	23 ^h	24 ^h	Mean	Maximum		Minimum		Range	Day
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h	m	h	m	γ	γ
511	615	614	613	614	611	610	611	615	611	4	00	618	10	28	690
(610)	612	611	611	611	615	616	619	617	610	23	00	619	9	00	597
611	609	608	611	615	621	624	625	631	613	23	24	634	8	54	599
(618)	(619)	619	619	620	618	616	615	616	619	4	23	636	(12	00)	(608)
607	610	619	619	620	618	616	614	614	612	19	38	622	10	51	596
606	612	613	613	613	612	611	609	607	610	4	31	617	13	21	599
603	607	610	612	614	617	615	612	609	606	20	51	618	10	00	593
605	607	608	612	612	613	614	613	612	609	7	31	617	1	50	598
599	602	603	606	608	610	613	611	609	605	22	23	615	10	00	592
612	613	614	618	617	616	618	620	620	611	2	12	621	10	51	594
607	610	610	608	617	617	619	626	630	614	23	54	631	12	03	601
605	607	610	610	611	615	618	621	621	613	0	00	630	10	04	600
605	607	609	609	608	608	615	619	620	610	3	12	621	13	00	597
610	606	607	612	612	614	614	615	616	611	3	15	620	10	15	598
619	620	617	615	613	611	611	614	618	613	17	00	620	9	00	598
615	615	615	612	609	612	615	617	618	613	4	21	623	12	30	604
613	620	618	617	616	617	615	616	616	615	4	00	626	12	48	603
621	619	622	621	617	619	617	617	618	618	17	55	624	11	35	610
617	620	620	620	620	618	616	616	615	616	6	32	624	10	33	606
613	616	617	618	619	617	616	615	615	614	6	23	622	11	51	602
633	620	627	628	627	627	627	624	626	618	15	12	645	10	00	592
623	626	617	623	626	627	623	626	625	622	12	49	629	12	41	609
620	623	626	628	629	628	627	627	627	623	20	00	629	13	36	612
615	615	617	621	622	623	625	625	625	620	5	04	629	11	13	607
618	617	617	620	621	623	624	624	624	620	2	05	625	10	12	610
617	617	617	617	618	620	622	625	623	619	23	12	626	11	51	605
629	624	622	623	623	625	630	630	629	623	23	17	631	10	07	611
627	628	626	621	625	626	628	630	630	623	1	29	632	12	40	617
622	623	623	622	621	623	625	627	628	625	2	33	631	11	00	619
629	630	628	625	625	624	627	627	629	625	17	00	630	10	00	615
615	616	616	617	617	618	619	620	620	615						22
616	618	618	618	617	617	616	617	618	616						19

DECEMBER, 1907.

33500 γ PLUS TABULAR QUANTITIES.

630	630	627	624	625	625	625	626	630	627	2	25	634	11	15	612	22	1
631	632	630	629	628	627	627	629	631	630	3	27	635	8	42	626	9	2
631	(631)	(630)	630	628	627	627	627	629	629	5	31	636	10	00	618	18	3
624	623	625	626	625	623	621	618	622	622	3	50	636	11	30	606	30	4
624	628	631	627	626	623	623	623	622	625	7	20	635	2	05	614	21	5
617	621	627	628	628	627	625	627	626	622	7	12	634	12	00	604	30	6
619	620	621	621	619	618	624	629	626	621	23	25	633	14	24	609	24	7
617	619	621	626	628	628	629	629	629	623	7	12	634	13	04	605	29	8
624	624	625	627	628	630	631	632	632	627	23	00	632	11	44	620	12	9
614	623	628	625	632	631	636	637	636	625	23	10	638	15	35	611	27	10
620	625	624	626	628	629	630	626	634	623	0	57	637	13	27	596	41	11
623	623	623	628	620	619	629	634	635	629	2	26	641	21	00	619	22	12
628	624	622	622	624	622	626	628	630	626	0	57	640	12	11	609	31	13
621	621	622	621	619	618	620	623	625	621	2	55	634	12	33	601	33	14
625	620	619	619	616	616	617	621	622	621	5	00	628	12	30	610	18	15
624	626	627	628	628	625	629	631	632	622	24	00	632	10	03	609	23	16
633	633	638	638	637	635	632	631	634	633	5	47	642	9	26	622	20	17
632	632	633	631	632	631	628	630	630	631	5	32	641	10	21	619	22	18
621	621	625	621	623	621	624	624	627	624	6	43	639	12	00	608	31	19
616	619	623	623	624	624	624	623	624	623	6	56	636	11	40	607	29	20
619	621	623	623	620	626	626	624	625	621	5	33	633	11	09	599	34	21
621	619	621	620	621	621	621	621	622	622	5	42	631	12	00	614	17	22
622	619	620	618	619	618	619	618	619	619	7	00	627	11	36	611	16	23
605	607	611	613	613	611	616	615	620	613	7	00	624	11	42	601	23	24
606	609	611	612	615	616	617	617	618	615	2	00	621	15	15	605	16	25
614	610	611	611	612	614	619	623	625	615	23	49	626	9	30	602	24	26
612	610	612	608	609	610	612	616	617	615	4	10	632	9	50	606	26	27
616	611	611	612	617	617	617	618	619	617	3	25	623	11	37	610	13	28
610	608	610	611	611	611	614	617	617	614	3	34	623	12	23	601	22	29
620	614	614	614	613	614	615	621	625	617	24	00	625	10	00	610	15	30
621	618	618	616	615	617	620	619	622	618	3	00	627	11	29	601	26	31
621	621	622	622	622	622	623	624	626	622							23	
622	621	622	621	621	621	622	623	625	622							18	

JANUARY, 1908.

33500r PLUS TABULAR QUANTITIES.

Day	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	Noon	13h	14h	15h
1*	620	624	624	626	626	625	623	620	614	609	611	611	607	605	614
2	620	626	622	625	625	623	626	624	619	613	610	609	610	614	615
3	620	619	622	626	631	629	630	628	617	606	603	606	607	606	615
4	621	623	624	627	627	629	630	626	616	616	620	617	613	618	618
5	618	621	623	625	626	627	629	628	622	617	615	616	615	610	612
6	621	621	624	627	626	628	631	628	620	621	622	619	620	617	620
7	623	621	622	624	625	628	629	628	622	619	621	615	611	606	609
8	627	627	635	630	629	629	632	627	623	621	622	625	626	621	622
9	631	625	630	635	632	635	628	624	618	610	601	598	616	623	620
10	626	627	626	627	626	626	626	625	619	615	616	615	611	611	616
11	630	630	629	629	628	624	627	626	624	620	619	617	615	614	622
12	629	629	630	628	628	626	628	628	626	624	620	615	613	619	623
13*	623	624	623	623	623	621	621	618	614	612	610	612	616	621	622
14*	623	625	626	628	628	628	627	625	620	610	606	606	608	612	614
15*	623	627	626	627	625	625	626	627	623	617	611	604	613	615	620
16*	620	623	626	626	627	627	629	623	613	606	602	606	606	602	606
17*	618	621	622	624	625	626	625	620	615	610	608	611	613	613	619
18*	620	621	624	625	626	626	628	624	615	608	606	607	612	612	610
19*	620	621	622	623	624	624	625	624	618	612	608	605	606	612	614
20*	620	621	622	623	624	625	625	625	619	611	605	606	606	607	611
21*	620	619	620	622	623	623	626	623	615	608	603	604	608	609	614
22	624	623	624	624	623	624	627	625	620	614	605	609	613	610	610
23	618	618	618	620	622	622	621	617	613	608	610	613	613	610	612
24	615	615	616	616	617	618	621	616	611	603	598	603	608	608	614
25	620	618	621	624	622	621	621	619	613	612	612	614	615	617	617
26	623	623	621	623	622	622	621	616	613	608	609	611	613	617	618
27	624	624	624	623	623	621	622	621	619	619	618	617	616	618	616
28	629	631	629	628	628	623	623	622	617	615	615	615	621	617	613
29	620	619	617	621	619	621	622	618	610	602	598	596	602	612	619
30	629	629	631	629	631	630	629	627	620	616	611	611	613	616	619
31	622	624	626	626	627	626	625	620	613	608	609	603	606	607	611
Mean.....	622	623	624	625	625	625	626	623	617	613	610	610	612	613	616
Mean*.....	621	623	624	625	625	625	626	623	617	610	607	607	610	611	614

FEBRUARY, 1908.

33500r PLUS TABULAR QUANTITIES.

1*	625	627	628	631	632	631	630	625	616	612	616	616	616	623	625
2	625	627	629	631	631	631	631	626	618	612	610	602	606	611	618
3	620	621	622	624	627	627	627	625	620	609	612	610	617	611	621
4	625	625	625	629	631	631	632	634	628	618	619	612	617	623	622
5	628	624	624	629	631	629	630	626	616	614	615	615	617	611	619
6	621	630	630	625	630	634	640	627	626	621	615	621	619	627	626
7	631	635	626	628	629	631	630	626	623	616	613	612	609	616	623
8*	627	626	625	627	626	627	628	627	619	616	614	625	628	622	618
9*	628	628	628	627	625	625	626	626	623	619	610	612	616	619	628
10	629	629	629	628	628	627	627	627	624	619	616	618	618	617	618
11	627	629	631	629	629	631	629	626	622	613	613	610	612	621	630
12	630	634	634	632	633	636	640	632	631	625	619	619	621	623	623
13	630	631	635	630	631	631	632	628	622	619	614	609	615	623	624
14*	628	629	631	633	633	633	632	628	623	616	608	606	615	618	624
15*	629	633	634	638	636	637	637	634	622	618	616	613	622	627	630
16	629	629	632	635	636	637	639	637	632	629	626	625	628	629	629
17*	637	637	639	640	641	641	643	636	629	625	623	625	630	630	630
18	635	635	639	638	639	641	641	635	630	626	626	628	631	631	631
19*	636	636	637	638	639	640	641	638	634	630	626	624	626	628	633
20*	637	637	638	639	639	638	640	638	634	633	633	633	635	633	633
21*	639	638	638	639	639	641	644	644	640	636	632	633	629	628	630
22	642	641	640	640	641	642	645	645	638	633	625	627	637	633	631
23	642	644	643	646	646	649	648	648	647	641	638	637	633	638	639
24	648	648	651	650	646	645	647	647	646	637	632	628	626	625	627
25*	648	650	647	647	646	647	649	648	649	648	647	644	641	635	634
26	652	654	652	651	647	647	647	645	643	642	638	637	637	640	642
27	648	651	653	651	649	649	651	643	639	636	635	637	628	631	636
28	648	649	650	652	649	649	649	643	638	638	643	647	641	639	644
29	651	652	654	654	656	652	653	651	647	646	640	638	635	644	650
Mean.....	634	635	636	637	637	637	638	635	630	626	623	623	624	626	629
Mean*.....	633	634	634	636	636	636	637	634	629	625	622	623	626	626	628

* The mean hourly values given on the bottom line are derived from the "quiet days" indicated by asterisks.

JANUARY, 1908.

33500_r PLUS TABULAR QUANTITIES.

16 ^h	17 ^h	18 ^h	19 ^h	20 ^h	21 ^h	22 ^h	23 ^h	24 ^h	Mean	Maximum			Minimum			Range	Day
<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>r</i>	
616	617	614	614	613	612	614	619	621	617	3	45	627	13	16	604	23	1
622	623	624	621	620	618	618	619	619	619	2	13	627	11	18	607	20	2
616	617	619	622	620	619	620	620	621	618	4	52	633	13	40	600	33	3
619	618	618	619	623	621	616	616	619	621	5	19	632	12	46	611	21	4
613	617	618	622	625	622	620	617	617	620	7	30	631	13	30	609	22	5
623	625	621	622	622	620	621	624	625	623	7	11	631	13	52	616	15	6
611	616	614	615	617	619	622	623	627	619	7	17	630	13	48	605	25	7
621	620	618	616	613	611	610	610	628	623	3	00	635	21	15	606	29	8
624	617	622	622	623	623	626	628	632	623	5	33	639	11	55	595	44	9
620	616	617	620	621	625	628	629	630	622	0	00	632	13	48	611	21	10
622	617	623	622	622	614	624	627	629	623	1	48	630	14	06	613	17	11
620	621	620	617	615	622	619	619	621	622	2	16	631	13	00	613	18	12
623	623	622	620	618	615	617	619	622	619	2	52	624	11	14	609	15	13
617	617	618	616	614	615	616	619	621	618	3	54	629	11	18	604	25	14
620	621	621	620	618	614	615	615	618	620	7	44	628	12	20	604	24	15
612	614	618	617	616	615	614	615	615	616	7	00	629	11	00	602	27	16
616	618	621	621	622	620	620	620	620	619	4	52	626	11	00	608	18	17
614	617	617	621	620	620	619	619	619	618	7	12	629	11	00	606	23	18
618	621	623	623	623	621	620	620	620	619	7	15	625	12	27	603	22	19
615	618	621	622	622	622	622	621	621	618	6	36	628	11	15	604	24	20
612	614	616	617	617	620	622	622	623	617	7	20	627	11	28	600	27	21
610	611	615	617	617	617	617	617	618	617	7	00	627	11	24	602	25	22
613	611	612	612	613	612	613	614	615	615	6	00	622	10	00	608	14	23
615	613	614	612	613	615	615	620	620	613	6	40	622	10	45	598	24	24
616	615	615	616	615	615	617	618	620	617	5	27	625	10	35	610	15	25
617	617	616	617	617	617	619	622	624	618	24	00	624	9	38	602	22	26
618	616	610	603	615	623	625	625	630	620	23	51	631	19	00	603	28	27
614	613	612	614	614	613	612	616	617	619	2	13	633	22	13	609	24	28
617	617	620	621	622	621	621	624	628	616	24	00	628	12	18	594	34	29
618	615	618	620	618	615	615	617	619	621	4	54	633	12	00	611	22	30
613	620	623	622	618	620	622	622	624	618	5	07	628	12	00	603	25	31
617	617	618	618	618	618	619	620	622	619							23	
616	618	619	619	618	617	618	619	620	618							23	

FEBRUARY, 1908.

33500_r PLUS TABULAR QUANTITIES.

628	629	626	628	626	625	625	625	625	625	5	38	632	10	00	612	20	1
624	626	626	625	624	622	620	619	619	621	6	00	631	12	00	602	29	2
624	618	627	630	629	628	627	623	622	622	19	00	630	10	34	609	21	3
620	626	628	627	629	623	622	627	630	625	7	40	638	12	17	607	31	4
615	613	622	616	619	630	632	630	628	622	4	33	637	13	52	609	28	5
617	622	626	631	635	637	634	632	633	627	6	32	641	15	30	609	32	6
621	621	620	623	623	627	626	627	628	624	2	03	636	13	24	604	32	7
618	618	619	621	621	622	622	626	628	623	12	18	629	11	05	614	15	8
630	629	623	623	624	623	623	626	627	624	16	00	630	11	33	608	22	9
621	620	621	620	617	614	619	624	626	622	1	00	629	20	45	612	17	10
634	627	632	627	622	618	619	622	626	624	15	56	634	11	24	609	25	11
622	621	623	625	626	621	624	623	628	627	2	38	643	16	41	616	27	12
625	625	627	628	626	624	624	624	627	625	2	54	638	12	00	609	29	13
630	632	631	630	630	630	628	628	629	626	6	52	633	11	56	606	27	14
632	634	634	634	632	630	629	629	629	630	6	42	638	11	44	612	26	15
633	633	635	635	634	630	630	632	637	632	7	42	640	11	22	624	16	16
633	633	633	633	632	632	632	634	635	633	6	40	643	11	00	623	20	17*
634	633	634	634	636	636	637	637	636	634	7	00	641	11	15	626	15	18
636	638	634	634	634	637	637	637	636	635	7	00	641	11	40	622	19	19
633	634	635	638	638	638	639	639	638	636	7	17	640	11	22	631	9	20
630	634	637	640	640	640	640	640	641	637	7	33	644	14	03	627	17	21
634	635	635	635	640	642	649	650	646	639	7	45	651	11	33	621	30	22
639	637	638	639	640	636	637	646	650	642	7	20	652	13	18	631	21	23
629	631	637	637	637	638	642	643	647	639	3	46	652	13	44	624	28	24
640	639	639	638	639	637	638	643	649	643	2	00	650	14	44	633	17	25
639	638	642	642	642	642	642	642	646	644	1	45	654	12	51	635	19	26
638	642	641	640	638	639	640	643	645	642	3	05	653	13	11	625	28	27
645	646	648	648	645	645	646	647	650	646	3	17	652	9	27	637	15	28
644	649	654	651	650	652	661	652	651	649	22	00	661	12	36	632	29	29
630	630	632	632	632	632	633	633	635	632							23	
631	632	631	632	631	631	633	634	634	631							19	

MARCH, 1908.

33500_r PLUS TABULAR QUANTITIES.

Day	1 ^h	2 ^h	3 ^h	4 ^h	5 ^h	6 ^h	7 ^h	8 ^h	9 ^h	10 ^h	11 ^h	Noon	13 ^h	14 ^h	15 ^h
	<i>γ</i>	<i>γ</i>	<i>γ</i>	<i>γ</i>	<i>γ</i>	<i>γ</i>	<i>γ</i>	<i>γ</i>	<i>γ</i>	<i>γ</i>	<i>γ</i>	<i>γ</i>	<i>γ</i>	<i>γ</i>	<i>γ</i>
1	656	652	657	657	662	664	657	652	647	641	635	634	638	644	634
2	654	652	658	662	660	658	662	656	652	643	634	636	645	646	646
3	654	654	655	657	659	661	662	660	653	649	644	647	651	652	648
4	642	646	654	652	655	656	656	649	648	645	645	641	638	638	641
5	657	655	655	653	656	656	660	657	650	649	645	640	637	639	640
6*	650	650	648	648	650	651	652	651	649	649	648	645	644	646	645
7*	653	653	648	648	648	650	653	653	652	652	651	647	646	647	648
8	649	654	652	652	652	652	645	654	657	648	647	648	656	647	652
9	660	656	661	646	654	656	655	656	654	649	649	645	644	646	647
10	655	648	645	649	649	648	647	648	649	650	651	654	654	653	648
11	650	651	650	650	650	647	643	641	640	640	645	644	643	644	649
12*	650	652	652	652	651	648	648	647	646	641	640	641	647	650	650
13*	649	650	651	651	651	651	650	651	648	646	644	649	652	651	650
14*	644	647	647	649	649	647	640	638	637	637	639	642	643	649	649
15	646	647	649	650	650	649	646	644	644	643	644	646	648	649	647
16	640	643	647	643	638	644	640	635	639	641	638	637	647	644	643
17*	652	647	648	649	649	649	648	644	644	642	644	645	646	645	640
18*	645	645	646	646	648	646	643	639	634	631	629	629	633	634	636
19	642	645	645	646	647	647	644	640	638	632	629	627	636	637	635
20	649	648	646	648	648	648	643	635	629	629	629	625	627	629	637
21	643	640	640	640	641	641	638	632	630	629	633	633	629	634	635
22*	642	641	642	643	644	644	644	640	636	632	631	638	633	631	633
23*	642	642	643	642	642	642	642	636	631	633	638	642	638	636	636
24*	641	640	639	638	640	641	639	638	638	638	634	635	637	635	633
25	637	641	641	647	645	645	645	642	643	640	637	637	638	639	638
26	643	644	643	641	638	637	636	638	636	638	639	637	639	632	632
27	652	660	661	666	664	661	651	645	644	644	637	633	644	647	656
28	656	667	661	665	659	655	645	652	649	647	647	650	649	651	657
29	653	655	658	657	656	654	646	639	637	627	642	648	652	643	652
30	651	645	643	647	649	651	645	639	629	636	638	640	643	646	648
31	644	647	649	649	652	651	644	640	641	641	641	645	643	643	644
Mean	648	649	649	650	650	650	647	645	643	641	640	641	643	643	644
Mean * . . .	647	647	646	647	647	647	646	644	642	640	640	641	642	642	642

APRIL, 1908.

33500_r PLUS TABULAR QUANTITIES.

1	647	644	650	649	651	651	642	643	644	641	641	642	642	642	645
2	641	646	646	648	650	649	644	641	641	641	643	641	641	643	645
3*	643	642	644	644	644	646	645	643	647	644	639	640	643	642	640
4*	643	643	643	643	645	646	645	642	640	641	642	642	640	647	637
5	638	635	639	639	639	642	642	635	635	631	632	634	631	634	628
6	638	638	641	635	637	638	648	648	642	637	639	631	631	627	636
7	635	637	642	643	635	641	639	623	629	631	633	633	638	637	635
8	646	641	644	645	641	641	639	639	642	644	646	648	648	642	642
9	638	639	639	640	640	639	638	638	636	635	636	639	639	640	639
10*	644	641	641	641	641	640	638	637	635	634	632	635	634	632	632
11*	638	638	639	640	640	639	635	632	629	629	629	632	633	637	638
12*	638	639	641	640	639	640	635	632	633	633	632	632	633	638	638
13*	638	636	637	640	640	640	633	631	628	629	631	632	631	632	635
14*	635	636	638	639	638	636	630	629	628	628	631	633	632	628	626
15	635	637	636	634	642	637	638	643	634	624	612	624	630	636	640
16	641	644	646	646	646	647	643	636	631	627	623	624	626	632	634
17	635	638	641	639	641	641	639	634	632	630	628	631	633	634	633
18	636	637	640	639	642	643	641	633	629	630	628	632	638	636	633
19*	634	633	636	635	637	638	635	631	628	621	620	624	626	626	628
20*	632	632	632	631	632	634	633	632	631	631	631	630	633	631	630
21*	635	633	632	633	634	638	638	639	641	640	636	638	634	634	632
22	635	633	632	630	633	631	630	625	625	631	629	627	636	634	635
23	636	636	635	636	629	627	637	631	630	630	632	634	636	630	630
24	637	636	636	636	632	632	633	634	633	634	637	639	632	635	635
25	640	640	640	638	637	637	637	635	633	635	635	634	634	640	644
26	639	636	635	642	636	633	634	632	625	627	626	629	631	630	630
27	629	634	636	637	633	631	625	627	627	629	629	635	637	639	644
28	633	635	635	637	635	635	631	628	620	617	626	631	630	633	636
29	627	633	633	633	634	637	631	627	624	626	629	627	629	633	633
30	625	627	629	631	632	632	631	626	624	624	626	631	632	630	629
Mean	637	637	639	639	638	639	637	634	633	632	632	633	634	635	635
Mean * . . .	638	637	638	639	639	640	637	635	634	633	632	634	634	634	634

*The mean hourly values given on the bottom line are derived from the "quiet days" indicated by asterisks.

MARCH, 1908.

33500_r PLUS TABULAR QUANTITIES.

16 ^h	17 ^h	18 ^h	19 ^h	20 ^h	21 ^h	22 ^h	23 ^h	24 ^h	Mean	Maximum			Minimum			Range	Day
<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>r</i>	
639	648	658	646	655	654	646	646	654	649	6	00	664	15	23	619	45	1
646	653	654	653	654	656	651	649	649	651	3	33	668	11	00	634	34	2
653	652	656	657	657	653	652	655	650	654	7	10	663	14	28	642	21	3
648	650	653	660	660	654	662	658	656	650	22	00	662	14	15	629	33	4
644	643	646	650	650	649	651	652	652	649	1	12	660	13	00	637	23	5
644	645	647	651	654	656	653	654	654	649	21	00	656	15	30	639	17	6
646	647	650	649	654	654	654	653	655	650	8	12	655	15	35	646	9	7
650	650	647	650	653	657	660	657	661	652	24	00	661	10	28	641	20	8
649	647	642	643	644	647	647	653	649	650	0	53	663	18	00	642	21	9
645	645	644	641	642	643	646	647	649	648	1	03	656	19	00	641	15	10
649	647	646	644	641	645	648	650	650	646	22	42	652	19	40	635	17	11
646	644	645	644	644	644	645	645	647	647	2	15	652	11	00	640	12	12
649	649	648	647	644	641	641	640	642	648	13	22	653	23	00	640	13	13
646	647	647	646	646	644	642	642	644	644	14	40	649	7	38	636	13	14
649	643	641	641	640	639	638	639	639	645	3	50	650	22	50	637	13	15
645	644	645	643	644	641	640	641	645	642	13	11	648	7	50	633	15	16
644	643	647	649	648	647	647	647	646	646	1	03	652	15	09	639	13	17
639	639	636	637	642	639	639	640	641	639	5	15	648	12	00	629	19	18
637	640	642	644	640	642	642	634	638	640	6	05	648	12	00	627	21	19
639	639	639	640	648	642	648	643	645	640	22	13	650	12	19	623	27	20
638	638	641	640	641	642	641	642	642	638	0	00	645	9	21	628	17	21
633	632	635	637	641	643	643	642	641	638	5	06	644	10	20	631	13	22
638	638	638	640	640	640	640	640	641	639	3	28	643	9	22	631	12	23
633	634	636	636	636	636	640	643	639	637	22	33	644	15	00	633	11	24
634	634	633	631	634	636	638	640	642	639	4	00	647	19	00	631	16	25
635	634	640	634	645	634	658	647	660	640	23	48	668	14	36	611	57	26
656	642	641	644	657	647	651	644	649	650	3	30	683	11	57	631	52	27
650	647	647	648	649	654	646	650	641	652	1	45	670	17	36	639	31	28
657	652	648	645	646	646	643	641	643	648	2	30	660	10	00	627	33	29
648	648	643	639	645	647	648	643	646	644	1	16	654	8	51	628	26	30
644	646	644	642	648	649	648	645	646	645	5	00	652	8	20	638	14	31
644	644	644	644	647	646	647	646	647	645							22	
642	642	643	644	645	644	644	645	645	644							13	

APRIL, 1908.

33500_r PLUS TABULAR QUANTITIES.

16 ^h	17 ^h	18 ^h	19 ^h	20 ^h	21 ^h	22 ^h	23 ^h	24 ^h	Mean	Maximum			Minimum			Range	Day
<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>r</i>	
644	641	643	648	649	647	647	643	644	645	6	08	652	10	07	641	11	1
645	645	646	646	647	647	645	644	643	644	4	45	651	8	24	640	11	2
638	639	640	643	644	645	643	643	643	643	20	37	648	16	00	638	10	3
635	636	638	639	642	642	642	641	639	641	6	52	647	16	00	635	12	4
629	629	633	636	636	638	637	636	637	635	0	48	645	15	08	626	19	5
641	638	640	641	639	638	639	637	641	638	7	09	652	13	44	626	26	6
640	636	631	636	636	633	634	644	638	636	22	27	651	8	00	623	28	7
637	632	629	629	630	631	633	634	637	639	11	51	649	18	00	629	20	8
637	632	633	635	634	634	635	636	639	637	4	20	642	17	14	632	10	9
632	631	631	630	631	633	633	636	638	636	0	36	646	18	48	630	16	10
637	636	634	632	633	632	631	631	635	635	4	07	640	9	00	629	11	11
637	635	635	634	633	632	631	631	633	635	5	39	641	22	00	631	10	12
636	633	634	635	634	632	633	633	634	634	4	13	640	9	00	628	12	13
624	628	630	630	629	630	630	633	632	631	3	24	640	15	44	623	17	14
635	637	630	641	638	639	646	644	640	636	22	49	648	10	55	612	36	15
636	635	635	637	638	637	637	636	635	636	5	32	649	11	00	623	26	16
636	637	638	640	640	642	638	637	642	637	23	44	643	11	00	628	15	17
625	633	633	638	635	637	636	634	634	635	6	00	643	16	00	625	18	18
634	635	638	638	637	635	635	634	633	632	18	08	640	11	00	620	20	19
629	630	632	633	634	634	635	635	635	632	6	09	635	16	29	629	6	20
630	630	630	631	632	632	632	635	635	634	9	05	641	16	31	628	13	21
629	630	633	633	632	634	636	637	637	632	13	21	638	8	03	623	15	22
638	633	633	634	631	632	631	634	645	633	24	00	645	5	38	625	20	23
633	632	628	628	626	628	630	632	637	633	0	01	646	20	27	622	24	24
636	633	628	629	628	628	628	628	635	635	15	00	644	20	25	625	19	25
635	632	632	628	628	627	623	633	631	631	7	18	642	22	00	623	19	26
643	637	636	636	634	631	630	630	630	633	15	12	645	7	03	625	20	27
635	627	628	627	626	623	624	623	622	629	15	09	637	10	00	617	20	28
634	629	627	626	627	627	626	625	628	629	6	04	638	0	00	622	16	29
626	626	625	625	626	626	623	628	626	628	13	33	633	9	28	622	11	30
635	634	633	635	634	634	634	635	636	635							17	
633	633	634	634	635	635	634	635	636	635							13	

MAY, 1908.

33500γ PLUS TABULAR QUANTITIES.

Day	1 ^h	2 ^h	3 ^h	4 ^h	5 ^h	6 ^h	7 ^h	8 ^h	9 ^h	10 ^h	11 ^h	Noon	13 ^h	14 ^h	15 ^h
1	626	623	626	627	630	633	630	623	614	611	615	620	628	630	638
2	632	628	631	638	633	635	627	631	621	624	623	624	622	628	629
3	629	629	629	631	630	631	632	632	625	626	627	627	631	631	625
4	624	619	620	618	618	623	617	621	616	615	616	617	619	622	620
5	626	627	626	628	627	626	625	625	626	631	634	633	630	629	628
6*	626	626	627	627	626	626	621	618	615	615	618	620	623	625	624
7*	626	624	624	623	624	624	621	620	616	616	620	616	618	619	619
8	628	631	622	620	621	623	621	613	613	612	614	615	617	623	625
9*	625	625	625	625	624	623	619	616	618	620	619	622	623	626	621
10	622	625	624	626	625	623	616	611	609	611	614	612	618	619	626
11	637	636	634	633	632	627	623	622	625	628	627	627	624	623	626
12	631	627	629	629	630	625	621	622	627	631	636	638	636	630	629
13	626	634	620	628	631	626	622	610	620	622	624	623	626	620	622
14*	621	625	629	624	627	625	622	622	620	622	618	620	623	621	624
15*	621	622	623	624	625	626	622	614	614	615	618	618	617	623	623
16	616	617	619	619	620	621	616	606	608	606	607	609	610	612	614
17	614	614	616	617	613	611	612	614	616	617	618	616	613	613	613
18*	614	616	617	619	619	618	616	616	613	614	619	625	619	618	619
19*	616	616	613	617	620	624	623	623	610	610	612	614	615	615	614
20*	618	616	616	617	617	620	618	620	617	617	621	619	621	623	626
21	619	618	618	616	617	617	614	609	612	616	619	622	621	620	620
22	617	618	615	614	613	613	612	612	614	620	619	622	622	619	623
23	624	622	631	619	623	615	624	615	618	621	621	625	625	628	626
24	615	617	623	625	619	618	611	611	615	623	628	631	634	636	636
25	625	623	622	622	622	624	601	623	614	608	609	616	623	627	630
26	627	622	631	629	631	628	627	623	619	625	636	641	637	638	633
27	628	626	638	633	632	623	618	615	614	613	614	622	613	607	612
28*	618	620	627	627	623	624	618	601	602	607	617	616	612	617	619
29*	616	618	620	624	623	622	616	619	618	611	607	607	608	611	619
30	619	615	612	618	619	623	620	612	612	617	615	610	612	613	619
31	617	618	620	624	621	623	617	612	608	606	608	610	612	614	622
Mean.....	623	622	623	624	624	623	619	617	616	617	619	621	621	622	623
Mean *....	620	621	622	623	623	623	620	617	614	615	617	618	618	620	621

JUNE, 1908.

33500γ PLUS TABULAR QUANTITIES.

1	617	610	615	623	625	628	626	624	621	620	616	617	621	622	623
2*	621	620	621	623	625	626	624	630	624	622	622	619	620	620	622
3	621	621	622	623	625	626	628	628	609	616	621	627	630	629	627
4	619	618	620	624	625	624	625	629	630	629	629	631	627	624	624
5	621	621	621	621	622	623	623	625	624	624	626	627	623	622	621
6	619	620	620	617	624	622	618	617	618	619	619	621	619	617	616
7	620	620	620	620	620	621	621	622	621	625	626	625	625	626	629
8*	623	622	623	622	623	620	619	620	625	632	637	642	638	634	633
9*	623	624	624	623	623	623	620	623	620	623	625	628	630	637	635
10*	618	620	620	620	620	621	620	618	613	611	613	611	614	618	620
11*	616	619	620	621	620	620	620	614	620	624	625	633	632	627	629
12	617	619	620	621	620	620	616	611	607	606	609	614	616	613	619
13	616	620	620	618	620	620	622	616	621	616	615	611	616	619	620
14	611	613	617	618	624	621	615	612	609	613	609	611	611	610	611
15	613	613	609	618	619	622	616	614	611	615	610	615	613	614	613
16	614	612	617	616	618	619	618	617	620	622	627	624	623	623	620
17	616	614	613	611	618	617	618	616	621	622	624	628	624	623	620
18	616	611	614	614	616	614	616	610	615	622	622	623	624	624	619
19	617	622	616	615	616	612	610	612	620	625	625	628	625	630	628
20	621	616	616	615	619	615	610	609	617	622	621	620	617	620	621
21	621	622	621	617	616	616	614	612	615	618	622	622	623	621	618
22*	620	619	618	618	618	618	615	615	621	623	626	633	636	627	624
23*	622	621	621	622	620	618	616	617	615	613	619	619	622	623	621
24	618	618	620	621	619	616	614	611	611	608	604	613	615	618	608
25	613	615	617	618	617	614	611	612	613	618	620	621	624	621	625
26	616	618	618	625	621	617	605	609	607	608	616	615	623	623	615
27*	617	626	620	620	623	620	619	625	623	620	619	618	618	616	623
28*	616	620	616	619	620	622	615	613	614	613	615	614	615	625	618
29*	613	614	616	618	619	622	625	623	622	622	627	626	625	627	620
30	616	617	618	617	617	618	616	612	615	616	616	617	625	621	624
Mean.....	618	618	618	619	620	620	618	617	617	619	620	622	622	622	622
Mean *....	619	620	620	621	621	621	619	620	620	620	623	624	625	625	624

* The mean hourly values given on the bottom line are derived from the "quiet days" indicated by asterisks.

MAY, 1908.

33500r PLUS TABULAR QUANTITIES.

16 ^h	17 ^h	18 ^h	19 ^h	20 ^h	21 ^h	22 ^h	23 ^h	24 ^h	Mean	Maximum			Minimum			Range	Day
<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>h</i>	<i>m</i>	<i>r</i>	<i>r</i>	
635	630	628	624	628	626	633	633	623	626	15	00	638	9	09	611	27	1
632	632	630	628	633	637	634	635	634	630	5	27	639	9	24	619	20	2
625	620	627	626	628	628	629	623	627	628	4	23	634	16	52	620	14	3
621	621	622	625	632	633	632	627	627	622	21	00	633	7	21	612	21	4
632	627	626	625	627	629	626	629	634	628	11	00	634	7	21	622	12	5
626	624	624	623	625	626	626	627	627	624	0	09	634	9	00	615	19	6
619	618	620	623	625	623	624	628	627	622	23	00	628	9	24	615	13	7
618	618	620	623	623	625	626	627	626	621	2	04	633	10	00	612	21	8
621	621	621	621	622	621	622	621	622	622	14	00	626	8	00	616	10	9
625	619	619	614	610	613	625	618	629	619	22	24	638	8	30	608	30	10
628	622	618	617	613	623	626	627	623	626	1	17	639	19	57	612	27	11
625	622	624	624	618	614	618	623	622	626	11	48	640	21	00	614	26	12
620	621	622	619	614	614	617	620	621	622	1	45	636	8	00	610	26	13
626	623	624	623	621	620	620	620	622	623	3	00	629	11	00	618	11	14
622	619	618	618	619	618	616	616	616	619	5	48	627	8	46	613	14	15
615	616	617	618	618	618	616	615	614	614	5	45	622	7	48	605	17	16
609	610	616	619	619	621	618	616	616	615	21	00	621	6	26	606	15	17
618	618	620	624	624	624	623	621	621	619	12	00	625	9	00	613	12	18
617	617	617	619	621	621	620	619	617	617	7	31	626	9	33	606	20	19
623	620	620	621	622	623	623	622	620	620	15	07	627	3	00	616	11	20
615	607	611	612	615	617	619	620	619	616	12	11	624	17	00	607	17	21
623	(619)	(617)	(616)	(615)	(613)	610	606	612	616	15	35	624	22	50	605	19	22
630	623	616	616	621	623	624	625	624	622	3	12	636	6	16	607	29	23
633	623	623	620	621	620	625	626	627	623	14	13	640	6	40	604	36	24
630	625	624	626	617	617	623	625	624	621	22	15	649	7	05	600	49	25
631	630	629	627	625	625	623	622	625	628	11	51	642	22	25	618	24	26
610	613	610	615	618	615	619	618	622	619	3	55	639	16	12	607	32	27
622	624	621	619	616	620	619	614	618	618	3	55	628	8	00	601	27	28
623	625	625	625	622	621	621	619	625	619	19	14	627	12	10	605	22	29
617	620	620	622	622	620	620	614	619	617	18	42	627	8	37	611	16	30
621	620	618	620	624	623	618	620	616	617	4	06	624	10	00	606	18	31
623	621	621	621	621	622	622	622	623	621							21	
622	621	621	622	622	622	621	621	622	620							16	

JUNE, 1908.

33500r PLUS TABULAR QUANTITIES.

625	625	625	626	626	625	624	624	623	622	6	00	628	1	54	609	19	1
623	621	623	623	624	624	623	622	623	623	8	00	630	12	00	619	11	2
620	620	626	626	627	620	622	623	620	623	14	23	643	8	48	609	34	3
624	621	619	621	622	620	620	620	620	624	12	00	631	1	22	616	15	4
619	618	617	617	618	620	618	618	619	621	11	45	628	17	30	617	11	5
615	616	611	613	617	615	614	616	620	618	3	16	628	6	45	609	19	6
630	625	618	619	619	616	617	620	618	622	16	00	630	21	00	616	14	7
629	624	622	621	619	618	618	619	621	625	12	00	642	0	00	618	24	8
628	626	622	621	617	615	615	616	617	623	15	32	638	20	37	615	23	9
622	614	611	611	612	612	612	613	614	616	16	00	622	11	45	610	12	10
624	622	622	619	617	614	614	613	615	621	12	23	635	7	51	612	23	11
622	620	618	614	615	612	611	611	615	615	16	02	625	8	32	605	20	12
617	616	615	614	613	614	611	610	611	616	7	05	623	11	38	609	14	13
611	614	615	616	614	614	613	612	611	614	4	54	625	8	20	609	16	14
612	612	616	614	615	615	612	614	613	614	5	55	623	11	07	609	14	15
613	615	617	618	619	620	618	617	617	618	11	16	628	2	08	612	16	16
615	615	616	617	619	608	618	614	617	618	12	05	628	21	00	608	20	17
618	(614)	615	616	617	620	617	616	617	617	13	37	627	8	22	607	20	18
624	617	616	617	616	616	606	613	621	619	14	05	633	22	14	606	27	19
620	616	615	614	616	617	618	618	620	617	15	22	623	7	59	608	15	20
618	616	614	615	612	615	614	615	616	617	13	21	625	8	27	611	14	21
621	617	616	616	614	615	616	617	620	620	13	00	636	20	09	613	23	22
618	615	615	616	614	615	617	617	617	618	13	36	625	10	00	613	12	23
610	612	613	615	613	610	609	611	612	613	13	24	621	11	00	604	17	24
619	616	615	614	612	606	607	616	614	616	14	54	626	21	49	605	21	25
616	617	617	617	620	620	617	617	615	616	4	11	628	6	53	605	23	26
620	621	620	622	620	618	616	613	615	620	2	04	627	23	42	612	15	27
613	618	618	619	619	617	615	614	614	617	14	00	625	9	47	612	13	28
616	613	614	617	616	614	613	613	611	619	11	21	629	24	00	611	18	29
622	621	621	620	623	625	619	618	615	619	13	08	626	0	00	611	15	30
619	618	617	618	618	616	615	616	617	619							18	
621	619	618	618	617	616	616	616	617	620							17	

JULY, 1908.

33500_r PLUS TABULAR QUANTITIES.

Day	1 ^h	2 ^h	3 ^h	4 ^h	5 ^h	6 ^h	7 ^h	8 ^h	9 ^h	10 ^h	11 ^h	Noon	13 ^h	14 ^h	15 ^h
1	<i>r</i> 616	<i>r</i> 617	<i>r</i> 619	<i>r</i> 622	<i>r</i> 624	<i>r</i> 622	<i>r</i> 621	<i>r</i> 617	<i>r</i> 615	<i>r</i> 616	<i>r</i> 611	<i>r</i> 614	<i>r</i> 617	<i>r</i> 618	<i>r</i> 618
2	620	621	620	620	622	622	622	621	624	626	624	619	619	614	614
3*	620	620	619	622	623	620	616	619	625	626	629	629	629	629	628
4*	620	619	619	618	618	619	615	614	618	623	624	627	631	629	628
5	624	624	621	624	624	623	620	619	621	626	621	625	629	624	625
6	630	629	627	626	626	624	619	619	622	623	630	629	631	635	628
7	629	629	626	627	629	628	628	628	627	627	628	629	625	622	627
8	627	630	626	626	628	625	618	621	623	629	635	635	634	632	629
9*	624	625	626	626	626	625	621	615	615	619	623	625	626	628	631
10*	626	627	628	628	627	627	620	617	611	613	618	618	623	624	624
11*	624	626	627	628	630	628	623	618	614	614	614	618	622	623	627
12	625	627	631	637	634	632	628	625	619	616	625	625	626	627	631
13	623	620	623	627	629	631	625	622	619	612	611	609	614	622	622
14	621	623	624	627	629	628	626	626	623	626	623	623	625	627	630
15	624	624	621	625	628	630	628	625	626	630	628	622	621	630	635
16	639	641	616	625	626	628	632	632	626	628	640	650	641	638	641
17	631	624	627	630	632	633	633	630	631	634	632	630	633	637	642
18	630	631	630	630	631	632	631	630	627	631	638	639	641	641	640
19	633	633	633	631	631	629	627	629	632	633	635	645	643	643	640
20*	633	632	632	631	630	630	627	626	625	623	628	628	629	633	632
21	630	631	631	629	629	628	623	620	616	619	622	627	633	638	629
22*	629	629	630	631	630	628	624	620	616	615	625	631	632	631	632
23	629	631	631	631	631	630	625	621	618	624	626	624	621	626	629
24	628	629	631	631	632	632	630	634	633	629	627	631	632	627	628
25	627	634	637	633	631	635	632	626	624	630	639	637	637	642	647
26	632	633	634	637	638	637	633	627	627	629	630	634	635	640	637
27*	632	633	634	637	639	638	634	629	627	624	626	627	636	637	636
28	629	631	631	632	633	633	628	616	627	631	635	636	633	629	630
29*	627	628	629	631	634	633	630	630	635	635	632	633	629	633	631
30*	630	630	632	632	636	634	631	633	633	627	625	626	628	625	625
31	631	630	630	631	633	633	625	621	628	631	633	629	629	630	633
Mean.....	627	628	627	629	629	629	626	624	623	625	627	628	629	630	631
Mean*....	626	627	628	628	629	628	624	622	622	622	624	626	628	629	629

AUGUST, 1908.

33500_r PLUS TABULAR QUANTITIES.

1	632	631	631	630	631	632	629	628	632	636	635	632	633	633	(630)
2	627	623	622	625	625	627	623	623	627	628	627	629	627	629	630
3	625	626	626	626	626	627	622	624	628	630	632	636	635	629	623
4*	630	629	629	628	627	626	622	623	624	630	629	632	639	640	641
5*	638	635	634	634	634	631	628	625	629	631	631	631	634	631	634
6	634	637	635	635	633	632	627	624	625	629	629	629	629	631	631
7	633	631	630	631	635	637	631	626	624	630	630	639	639	638	635
8	631	635	636	643	633	633	629	627	624	626	625	635	642	642	644
9	649	644	655	652	650	644	633	631	632	638	652	656	652	644	639
10*	638	639	642	642	642	640	631	629	633	633	633	629	636	634	637
11	639	638	639	643	644	644	639	630	631	630	640	644	644	653	655
12	643	647	643	652	647	643	644	642	642	633	636	624	633	638	638
13	644	642	645	647	645	647	636	640	638	643	640	636	640	647	645
14	638	643	639	644	647	651	645	643	640	637	632	636	642	643	646
15*	647	648	644	645	648	649	647	642	640	639	639	641	644	643	644
16*	647	648	647	646	647	649	646	643	641	639	635	635	641	645	649
17*	649	647	647	647	646	647	644	641	641	643	642	646	647	642	645
18	657	656	652	651	651	649	642	639	637	637	638	642	643	646	648
19	663	662	664	644	663	659	643	633	634	652	652	648	649	652	659
20	665	664	665	664	664	661	655	656	655	649	646	648	651	656	659
21	661	666	664	664	670	665	663	660	653	632	630	645	656	660	653
22	668	671	668	668	665	663	656	656	656	658	661	662	662	663	660
23*	663	664	665	666	664	662	653	648	649	647	647	651	655	656	655
24*	664	666	668	668	668	666	654	649	649	652	653	653	654	657	653
25	653	660	665	672	668	667	659	655	656	655	653	649	656	660	665
26	664	664	667	664	663	664	658	654	652	652	647	643	646	651	659
27*	659	659	659	660	664	663	650	650	657	663	658	661	657	655	659
28*	661	661	662	663	663	666	657	657	653	654	657	655	658	657	655
29	661	666	659	660	662	662	653	641	650	648	646	648	651	647	653
30	663	665	661	661	664	665	660	663	666	669	667	666	668	672	666
31	670	671	667	666	666	669	664	664	662	666	669	671	665	666	665
Mean.....	649	650	649	650	650	650	643	641	641	642	642	644	646	647	647
Mean*....	650	650	650	650	650	650	643	641	642	643	642	643	646	646	647

*The mean hourly values given on the bottom line are derived from the "quiet days" indicated by asterisks.

JULY, 1908.

33500 γ PLUS TABULAR QUANTITIES.

16 ^h	17 ^h	18 ^h	19 ^h	20 ^h	21 ^h	22 ^h	23 ^h	24 ^h	Mean	Maximum			Minimum			Range	Day
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h	m	γ	h	m	γ	γ	
618	617	617	618	620	620	620	619	619	618	5	12	625	11	00	611	14	1
617	618	618	620	621	620	620	621	622	620	10	08	627	14	23	613	14	2
623	621	620	621	623	624	624	622	624	623	13	45	631	6	42	615	16	3
624	622	619	620	620	621	624	625	626	622	13	00	631	8	00	614	17	4
620	620	622	622	624	621	621	629	630	623	24	00	630	8	00	619	17	5
626	624	623	627	628	625	626	631	627	626	13	45	636	7	46	616	20	6
627	625	625	624	623	621	620	621	625	626	11	18	630	22	12	620	10	7
625	624	622	621	620	621	620	618	624	626	11	35	636	7	00	618	18	8
630	628	625	623	621	620	620	623	625	624	15	00	631	8	29	612	19	9
624	622	622	622	622	619	620	622	623	622	5	17	628	9	00	611	17	10
628	623	624	624	622	622	622	620	621	623	5	00	630	10	27	613	17	11
636	628	621	621	623	619	619	620	619	626	4	00	637	9	50	616	21	12
625	626	624	622	623	621	620	619	618	621	5	26	633	11	41	608	25	13
630	631	631	631	630	629	628	627	623	627	18	18	632	0	00	618	14	14
622	639	635	627	627	635	637	639	638	629	18	05	641	2	24	617	24	15
638	635	633	635	635	632	637	632	633	634	12	18	650	3	26	614	36	16
634	632	632	634	634	639	634	635	631	633	14	43	643	2	11	622	21	17
635	631	629	631	633	632	632	632	633	633	12	34	643	8	25	627	16	18
634	631	631	629	629	629	630	631	633	633	12	16	646	7	13	627	19	19
628	626	622	624	623	624	628	628	630	628	14	00	633	18	00	622	11	20
627	626	625	625	623	621	624	625	625	626	14	00	638	9	00	616	22	21
632	628	626	625	625	624	624	626	628	627	15	29	633	9	32	614	19	22
630	627	625	625	622	623	622	623	626	626	5	00	631	8	50	618	13	23
628	625	626	625	623	622	620	619	620	628	8	06	635	22	29	595	40	24
648	642	641	638	635	632	629	629	631	635	16	00	648	0	25	618	30	25
636	635	635	636	635	631	631	630	630	633	13	30	642	8	07	626	16	26
635	632	633	634	631	628	628	629	628	632	5	13	640	10	00	624	16	27
628	(626)	(626)	(627)	(626)	(628)	628	628	629	629	12	00	636	7	54	616	20	28
631	629	628	631	632	631	633	629	629	631	9	24	637	17	27	627	10	29
623	623	624	628	630	630	631	632	631	629	5	00	636	16	00	623	13	30
633	631	632	634	633	632	632	631	632	631	5	38	635	7	46	620	15	31
629	627	626	627	626	626	626	627	627	627							19	
628	625	624	625	625	624	625	626	626	626							16	

AUGUST, 1908.

33500 γ PLUS TABULAR QUANTITIES.

628	621	623	626	625	626	627	627	627	629	10	44	637	17	00	621	16	1
627	626	625	625	625	624	624	624	625	626	13	52	630	7	16	622	8	2
621	624	618	618	624	625	623	629	630	626	13	31	641	18	31	616	25	3
640	638	634	633	631	632	633	636	637	632	15	43	642	7	08	622	20	4
633	632	629	629	628	630	631	633	634	632	0	42	638	7	53	624	14	5
632	631	629	625	629	630	627	631	631	630	1	46	638	8	00	624	14	6
638	634	632	632	629	630	629	626	624	632	12	36	643	8	55	623	20	7
634	635	636	633	633	598	605	627	628	630	3	26	648	21	00	598	50	8
640	647	644	639	637	637	634	637	638	643	3	08	661	0	00	628	33	9
634	637	639	640	638	635	634	634	633	636	2	48	644	7	56	628	16	10
649	648	645	645	645	640	630	634	641	641	15	00	655	9	47	628	27	11
647	640	645	643	643	646	645	645	643	642	4	28	653	11	42	612	41	12
639	643	643	643	651	651	651	642	637	643	5	41	652	7	26	629	23	13
646	647	647	649	649	648	645	646	648	644	20	41	653	11	12	629	24	14
640	641	643	644	647	648	648	646	646	644	5	42	651	10	00	639	12	15
645	645	644	645	646	647	648	648	649	645	6	00	649	10	35	635	14	16
645	646	646	646	646	647	647	651	655	646	24	00	655	7	33	640	15	17
648	647	643	647	656	647	638	651	644	646	1	00	657	8	46	637	20	18
658	657	658	658	658	659	660	659	664	654	2	34	669	7	55	629	40	19
659	655	654	654	653	653	652	655	660	656	0	13	666	11	00	646	20	20
656	662	660	653	655	660	662	665	671	658	5	13	671	10	43	627	44	21
657	656	656	656	656	657	657	660	661	661	2	24	677	7	48	654	23	22
656	659	656	661	659	660	659	659	661	657	4	00	666	10	33	645	21	23
653	655	659	659	656	657	654	653	662	658	4	26	671	7	55	649	22	24
668	668	668	667	663	668	668	665	665	662	3	48	672	12	34	649	23	25
658	660	661	664	663	663	662	659	659	658	2	36	670	12	00	643	27	26
663	663	664	666	665	664	664	660	662	660	19	00	666	7	39	648	18	27
657	662	663	664	660	663	663	666	659	660	6	00	666	9	00	653	13	28
650	661	661	661	665	663	663	664	663	657	2	00	666	8	24	639	27	29
670	662	666	667	662	667	667	667	670	666	14	16	673	7	18	655	18	30
663	664	664	663	666	665	665	665	664	666	11	33	671	8	36	661	10	31
647	647	647	647	647	646	646	647	648	646							23	
647	648	648	649	648	648	648	649	650	647							16	

SEPTEMBER, 1908.

33500r PLUS TABULAR QUANTITIES.

Day	1 ^h	2 ^h	3 ^h	4 ^h	5 ^h	6 ^h	7 ^h	8 ^h	9 ^h	10 ^h	11 ^h	Noon	13 ^h	14 ^h	15 ^h
	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>	<i>r</i>
1*	662	661	660	660	660	660	649	645	641	642	645	650	654	655	649
2*	663	660	660	659	659	659	652	652	653	649	653	654	652	653	653
3*	665	665	666	663	662	660	652	644	640	643	639	647	649	653	654
4	665	665	665	662	661	661	653	650	654	659	658	653	660	662	667
5	670	690	690	681	675	666	665	646	664	658	672	670	672	677	679
6	678	679	678	678	676	679	665	665	664	664	664	664	668	669	668
7	674	680	677	676	676	673	668	664	668	673	678	682	680	676	681
8	674	674	675	675	674	668	678	673	675	674	665	668	664	662	659
9	666	666	668	669	669	667	658	658	661	666	662	662	662	668	665
10	666	669	671	678	681	686	676	665	672	671	671	669	671	672	676
11	671	672	674	678	677	675	670	666	664	656	664	669	667	675	676
12	684	710	737	737	729	718	705	705	705	703	704	700	702	741	702
13	663	663	664	665	667	668	661	656	652	651	653	647	45	649	653
14	662	661	663	660	658	660	657	654	652	650	652	652	655	658	659
15	659	658	657	656	657	658	653	650	651	647	649	648	653	654	653
16	663	660	663	649	653	656	663	658	658	649	661	672	677	677	668
17	---	---	---	---	---	---	---	---	666	662	665	669	666	672	674
18*	667	666	667	667	662	662	660	654	652	654	662	662	659	657	656
19*	661	662	666	666	664	661	660	656	656	658	660	659	658	661	661
20*	666	667	666	666	666	665	659	657	657	657	657	657	659	664	665
21*	664	663	667	667	667	664	658	653	647	648	651	652	652	653	660
22	665	667	664	667	668	669	667	663	663	657	657	658	659	659	661
23	663	666	667	667	667	666	657	652	649	647	654	664	664	664	665
24*	659	661	662	665	665	663	654	651	659	657	657	655	661	661	660
25*	661	662	666	667	667	669	658	653	652	652	654	654	660	665	660
26*	666	669	669	670	670	670	664	656	648	660	655	656	656	656	655
27	664	666	668	667	668	668	666	666	666	667	665	670	672	668	666
28	669	669	669	669	671	669	673	666	662	659	655	655	656	670	665
29	620	637	664	669	677	678	677	676	680	697	670	659	679	701	688
30	681	687	685	690	677	684	680	668	672	661	672	676	679	681	681
Mean.....	665	668	671	670	670	669	664	659	660	660	661	662	664	668	666
Mean*....	663	664	665	665	664	663	657	652	650	652	653	655	656	658	657

OCTOBER, 1908.

33500r PLUS TABULAR QUANTITIES.

1	680	678	677	678	676	675	672	670	670	666	665	667	666	669	669
2	668	668	670	669	665	665	661	661	656	654	654	653	648	647	648
3	662	662	661	666	663	664	656	654	652	652	653	661	660	662	662
4	661	665	667	668	666	663	657	652	645	652	653	652	653	661	648
5	660	663	669	669	670	649	651	650	651	658	659	650	646	650	648
6	665	669	670	669	663	663	651	650	648	648	648	647	651	652	652
7	657	658	664	667	665	664	659	651	648	644	649	650	653	654	652
8	651	658	654	658	659	658	653	645	639	638	640	644	649	651	650
9*	655	657	657	660	661	661	656	652	648	645	644	646	652	656	657
10*	661	661	661	663	664	663	661	654	649	645	645	650	651	651	653
11*	654	654	654	657	659	657	653	646	644	643	642	644	643	645	646
12	656	658	658	659	664	664	670	660	656	649	649	648	649	654	651
13	662	665	667	663	661	663	662	661	---	---	---	---	---	---	---
14	691	684	686	685	686	695	691	685	682	684	682	684	679	680	682
15*	684	684	684	682	682	681	675	668	664	666	670	668	668	668	666
16*	674	675	675	681	674	674	674	666	663	660	660	663	663	665	665
17	682	682	682	681	681	677	675	668	663	665	664	666	665	663	663
18	676	675	673	673	673	672	664	663	655	653	654	656	660	664	664
19	677	680	679	679	674	673	672	670	666	665	664	663	663	668	666
20	676	677	678	678	678	678	675	670	669	670	666	669	667	665	666
21*	661	661	663	663	663	661	659	653	648	646	644	646	650	653	660
22*	659	660	662	664	665	665	659	651	650	651	654	658	658	658	659
23*	664	665	666	666	667	667	664	658	650	642	647	650	650	654	657
24*	659	664	665	666	666	665	662	656	655	654	656	656	658	663	663
25	658	661	663	663	664	664	664	658	(654)	(651)	(653)	(655)	(657)	(659)	(662)
26	659	660	661	662	664	665	663	656	655	657	657	659	661	660	665
27	663	663	663	666	667	668	664	663	661	658	652	652	651	650	651
28*	665	664	664	664	664	667	667	663	661	660	660	659	659	659	659
29	661	661	661	661	661	661	661	661	662	663	663	660	662	658	658
30	661	663	667	666	667	667	667	664	660	656	657	657	654	656	656
31	668	668	668	668	668	657	659	647	654	662	663	663	661	652	640
Mean.....	665	666	667	668	668	667	664	659	656	655	655	656	656	658	658
Mean*....	664	664	665	667	666	666	663	657	653	651	652	654	655	657	658

* The mean hourly values given on the bottom line are derived from the "quiet days" indicated by asterisks.

SEPTEMBER, 1908.

33500r PLUS TABULAR QUANTITIES.

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean	Maximum			Minimum			Range	Day
r	r	r	r	r	r	r	r	r	r	h	m	r	h	m	r	r	
652	656	659	661	663	663	664	665	664	656	23	00	665	9	00	641	24	1
654	656	658	659	664	664	664	665	665	658	24	00	665	9	33	649	16	2
659	659	657	662	663	663	663	665	667	657	2	34	670	11	00	639	31	3
662	668	661	654	653	653	661	662	662	660	13	49	680	20	16	636	44	4
675	675	671	668	671	681	671	680	674	673	2	33	694	7	57	643	51	5
668	668	669	669	674	673	673	676	671	671	6	02	679	11	39	663	16	6
679	679	680	676	676	676	676	675	676	676	12	00	682	7	30	664	18	7
661	673	669	667	668	667	666	664	665	669	6	56	683	15	00	659	24	8
668	673	677	677	674	674	674	665	664	667	18	30	680	7	39	651	29	9
677	680	682	683	681	678	676	673	671	675	6	15	689	8	20	654	35	10
671	671	694	671	619	647	624	671	681	667	17	55	702	20	07	616	86	11
697	672	673	672	672	669	668	664	663	697	3	15	767	1	20	630	137	12
653	658	658	662	662	661	667	665	669	659	23	55	671	12	55	644	27	13
658	657	658	658	660	662	663	663	663	658	0	00	669	10	25	650	19	14
653	654	656	656	643	661	664	664	663	655	21	48	667	20	00	643	24	15
669	669	665	667	669	667	669	(669)	(669)	664	13	40	679	3	34	645	34	16
670	668	665	663	661	662	664	666	666	...	15	00	674	20	33	657	17	17
656	659	652	657	661	661	661	662	661	660	4	00	667	9	00	652	15	18
665	667	664	661	658	659	657	661	663	661	15	45	668	8	55	654	14	19
667	664	662	661	662	661	662	662	663	662	2	37	669	11	42	656	13	20
662	662	662	660	659	659	660	661	663	659	5	00	667	9	14	645	22	21
661	660	662	662	662	660	653	660	663	662	6	00	669	22	08	653	16	22
659	657	661	660	657	654	656	655	656	659	4	00	667	10	00	647	20	23
661	661	664	662	661	661	658	659	661	660	5	33	666	8	14	648	18	24
658	657	661	664	662	664	665	663	663	661	6	00	669	9	49	648	21	25
656	664	670	670	672	669	668	667	666	663	19	23	673	9	20	645	28	26
668	666	664	673	673	674	673	672	669	668	12	50	674	7	28	661	13	27
665	668	658	659	657	659	659	656	624	662	4	26	681	24	00	624	57	28
680	668	679	683	676	658	681	691	696	674	23	31	712	1	25	586	126	29
679	(679)	(679)	(679)	679	679	682	676	679	679	2	46	695	10	00	661	34	30
665	666	666	666	664	665	665	667	666	665							34	
659	660	661	662	662	662	662	663	664	660							20	

OCTOBER, 1908.

33500r PLUS TABULAR QUANTITIES.

671	...	...	...	...	...	...	...	...	...	...	...	...	11	15	664	...	1
653	651	655	657	659	660	660	662	660	658	3	00	670	14	00	647	23	2
660	653	653	652	653	655	659	661	661	658	4	00	666	8	56	649	17	3
652	655	654	652	656	655	659	661	661	657	4	21	670	9	00	645	25	4
659	659	656	650	653	661	661	662	666	657	5	17	680	6	18	642	38	5
657	662	656	656	652	654	656	655	659	656	2	52	671	12	24	643	28	6
655	657	654	653	654	653	651	651	651	655	4	00	667	10	00	644	23	7
650	650	653	653	653	654	653	651	653	651	5	00	659	10	00	638	21	8
655	660	663	663	663	663	662	661	662	657	21	00	663	11	00	644	19	9
655	655	656	658	657	655	655	654	655	656	5	00	664	11	00	645	19	10
646	650	654	657	656	655	653	655	655	651	5	00	659	11	00	642	17	11
654	655	660	671	671	664	657	666	658	658	19	41	671	12	00	648	23	12
...	...	...	...	704	704	696	695	695	...	19	51	709	0	00	658	51	13
683	677	678	680	682	685	686	686	686	684	6	00	695	17	00	677	18	14
667	668	667	670	673	673	674	675	674	673	0	00	686	9	00	664	22	15
665	671	672	673	675	675	676	681	682	671	24	00	682	11	00	660	22	16
661	661	661	658	663	664	668	674	677	669	1	10	683	19	10	657	26	17
658	682	676	672	672	674	674	674	674	668	17	00	682	10	00	653	29	18
670	671	671	671	673	672	671	674	674	671	2	00	680	12	27	663	17	19
666	669	667	666	662	661	661	661	661	669	6	00	678	24	00	661	17	20
660	660	660	660	660	660	660	660	660	657	4	00	663	11	00	644	19	21
662	663	662	664	662	660	659	661	663	660	6	00	665	9	00	650	15	22
660	665	664	664	663	661	660	660	660	659	5	00	667	10	00	642	25	23
665	665	664	663	662	660	657	656	657	661	5	00	666	10	00	654	12	24
(664)	665	665	665	665	664	664	663	660	661	17	00	665	(10 00)	(651)	14	25	
665	665	665	667	667	668	669	666	665	663	22	00	669	9	00	655	14	26
652	652	658	664	663	664	666	667	665	660	6	00	668	14	00	650	18	27
658	659	660	661	665	666	666	664	662	662	7	00	667	16	00	658	9	28
657	658	658	660	660	660	660	661	662	660	8	45	664	16	00	657	7	29
659	664	664	663	668	668	668	668	668	663	20	00	668	12	50	651	17	30
649	650	657	668	666	...	...	...	668	...	5	35	676	15	00	640	36	31
660	662	662	662	663	663	663	664	664	662							21	
659	662	662	663	664	663	662	663	663	661							18	

NOVEMBER, 1908.

33500_r PLUS TABULAR QUANTITIES.

Day	1 ^h	2 ^h	3 ^h	4 ^h	5 ^h	6 ^h	7 ^h	8 ^h	9 ^h	10 ^h	11 ^h	Noon	13 ^h	14 ^h	15 ^h
	<i>γ</i>	<i>γ</i>	<i>γ</i>	<i>γ</i>	<i>γ</i>	<i>γ</i>	<i>γ</i>	<i>γ</i>	<i>γ</i>	<i>γ</i>	<i>γ</i>	<i>γ</i>	<i>γ</i>	<i>γ</i>	<i>γ</i>
1	676	668	667	668	668	663	662	657	656	656	653	653	653	652	649
2	668	668	668	669	667	667	663	662	657	662	667	667	666	663	662
3	667	667	667	667	666	666	665	664	661	661	661	660	658	661	662
4*	666	667	667	667	665	665	662	660	658	659	659	660	661	661	661
5*	665	666	667	667	666	666	662	656	651	647	648	649	650	652	655
6*	660	661	664	665	666	666	665	660	660	655	655	659	661	661	664
7	(663)	(664)	(666)	(666)	(666)	(666)	(663)	(359)	657	653	648	648	652	653	654
8	665	(666)	(668)	(668)	(668)	(668)	(666)	(662)	660	657	657	656	653	665	666
9	665	670	670	(671)	(672)	(673)	672	(667)	663	664	660	660	666	(665)	(664)
10	669	672	671	672	674	671	681	670	665	664	659	665	666	665	667
11	672	671	677	672	671	671	672	666	660	659	655	654	660	655	659
12*	666	666	666	666	667	669	671	671	665	655	652	653	654	659	660
13*	666	667	665	665	665	668	669	667	662	659	657	657	657	658	662
14	669	669	669	669	669	668	670	668	659	659	659	659	660	659	659
15	672	668	669	669	668	668	667	667	667	666	664	666	667	665	663
16	667	668	667	667	667	667	667	662	660	657	658	659	659	661	658
17	667	666	660	663	663	664	660	668	653	646	657	650	655	663	666
18	672	672	673	673	672	671	670	667	663	662	662	661	657	657	662
19	673	672	677	676	676	675	673	670	(665)	(659)	658	653	648	653	663
20	664	665	666	667	667	668	669	665	657	650	647	648	652	653	656
21*	664	664	666	665	667	664	668	670	664	659	656	656	658	658	659
22*	662	664	665	665	665	666	668	668	663	658	653	656	656	654	654
23*	662	662	663	665	666	667	667	664	660	657	660	657	657	658	658
24*	662	662	662	665	667	669	671	671	666	661	662	660	660	655	659
25*	667	668	670	671	671	672	672	666	660	656	654	649	650	654	656
26	665	665	664	666	666	667	668	664	659	654	651	648	650	654	658
27	661	663	662	662	663	664	665	661	657	648	648	647	647	653	654
28	660	658	659	659	658	658	659	651	642	640	642	642	644	650	645
29	664	666	661	661	656	656	666	656	652	652	651	650	647	647	651
30	667	667	667	665	663	663	664	662	660	658	654	653	654	653	653
Mean	666	666	667	667	667	667	667	664	659	656	656	655	656	657	659
Mean*....	664	665	666	666	666	667	668	665	661	657	656	656	656	657	659

DECEMBER, 1908.

33500_r PLUS TABULAR QUANTITIES.

1	664	664	663	662	663	660	662	659	653	647	647	642	646	651	656
2*	662	662	662	661	661	661	661	661	656	650	648	650	654	656	660
3*	663	665	667	665	664	663	663	658	649	649	644	641	644	649	651
4	666	667	667	669	668	666	665	665	662	649	651	658	651	655	661
5	666	672	673	691	672	684	672	668	661	653	656	656	658	668	670
6	666	666	666	670	668	668	669	663	656	649	647	648	642	643	649
7	658	660	662	662	667	665	665	665	654	649	650	649	644	643	648
8	657	660	660	664	664	665	664	661	651	648	642	643	643	653	658
9*	660	660	661	663	664	664	665	664	658	653	648	648	649	650	653
10*	659	659	659	659	661	661	663	654	648	648	649	648	644	644	644
11*	654	654	654	654	655	655	657	653	648	646	646	642	637	641	646
12	657	657	656	656	658	657	658	658	650	649	645	640	642	643	648
13	651	649	649	648	648	651	656	658	653	646	646	641	643	647	650
14	664	662	661	659	658	658	659	656	649	642	642	645	646	646	644
15*	656	656	657	656	653	654	652	651	647	642	640	646	650	650	652
16	656	657	658	658	656	657	655	652	645	643	647	647	642	643	646
17	656	656	657	656	655	653	656	655	650	649	647	646	645	646	646
18	658	659	659	659	658	655	655	654	649	646	643	638	642	644	649
19	661	660	661	661	661	660	658	655	649	646	648	646	649	653	654
20*	655	658	660	660	660	657	657	653	644	642	638	643	653	657	659
21*	658	658	659	659	659	659	659	657	650	643	636	635	644	651	654
22*	655	657	659	660	659	659	659	657	644	640	643	647	652	650	652
23	657	657	659	662	661	662	661	655	642	635	635	636	625	635	642
24	657	658	659	660	663	662	662	660	654	651	650	650	651	652	651
25	656	656	657	659	660	661	663	659	647	639	633	641	643	645	647
26	653	658	657	655	656	657	657	651	641	629	630	631	642	643	645
27	657	657	656	656	656	657	657	656	653	653	651	647	647	647	648
28*	658	657	657	655	656	656	656	651	645	645	645	649	647	650	648
29	660	659	659	656	654	653	653	651	643	647	643	643	648	643	646
30	658	657	657	656	653	651	648	640	634	629	637	640	648	651	654
31	658	658	658	657	655	652	650	643	637	639	640	641	646	645	652
Mean	659	659	660	660	660	659	659	656	649	645	644	644	646	648	651
Mean*....	658	659	660	659	659	659	659	656	649	646	644	645	647	650	652

*The mean hourly values given on the bottom line are derived from the "quiet days" indicated by asterisks.

NOVEMBER, 1908.

33500 γ PLUS TABULAR QUANTITIES.

16 ^h	17 ^h	18 ^h	19 ^h	20 ^h	21 ^h	22 ^h	23 ^h	24 ^h	Mean	Maximum			Minimum			Range	Day
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h	m	γ	h	m	γ	γ	
654	654	660	661	661	662	666	667	668	661	0	52	678	13	20	647	31	1
662	662	663	662	663	663	666	667	667	665	2	18	672	9	14	657	15	2
664	666	666	664	662	661	661	662	663	663	3	00	667	13	48	658	9	3
662	663	664	662	661	661	661	661	664	662	3	00	667	9	00	658	9	4
657	662	663	661	661	660	659	659	659	659	3	00	667	10	00	647	20	5
662	662	666	666	662	661	661	661	661	662	6	00	666	10	00	655	11	6
657	664	664	662	661	648	650	642	654	658	(4	00)	(666)	23	00	642	24	7
656	673	676	675	672	670	670	658	666	665	18	00	676	11	33	648	28	8
(663)	663	665	670	676	675	672	669	675	668	19	41	681	12	00	660	21	9
667	670	672	671	667	667	672	673	672	669	7	00	681	11	18	658	23	10
659	660	664	666	666	668	669	667	672	665	2	45	678	11	48	654	24	11
664	660	664	665	665	668	669	668	669	664	0	00	672	11	00	652	20	12
662	663	663	663	664	668	669	669	669	664	24	00	669	12	16	656	13	13
663	659	657	658	658	661	665	669	674	663	24	00	674	16	00	653	21	14
666	664	664	663	663	663	664	666	667	666	0	23	676	15	00	663	13	15
663	663	660	660	658	663	661	658	667	662	20	44	671	9	34	656	15	16
666	657	664	662	667	672	669	672	672	663	21	11	675	10	00	646	29	17
666	674	671	667	667	665	667	672	667	667	22	48	676	14	00	657	19	18
667	667	663	662	661	661	661	660	663	665	3	00	677	13	00	648	29	19
658	662	659	659	659	659	655	659	662	659	7	00	669	10	49	647	22	20
664	664	665	665	664	660	660	660	661	663	8	00	670	11	00	656	14	21
658	663	665	663	662	663	662	662	662	662	7	00	668	11	00	653	15	22
663	668	666	667	665	663	664	663	663	663	17	00	668	13	00	657	11	23
662	666	661	666	670	670	667	666	666	664	7	00	671	14	00	655	16	24
660	662	661	663	665	665	665	662	666	663	7	00	672	12	42	648	24	25
659	660	660	660	662	664	664	664	663	661	7	00	668	12	20	646	22	26
654	654	653	654	656	657	657	659	661	657	23	37	669	13	00	647	22	27
648	649	651	653	655	659	662	663	663	653	24	00	663	9	35	638	25	28
653	655	657	662	668	672	672	670	669	659	21	00	672	14	00	647	25	29
655	654	653	654	654	657	660	663	662	659	0	00	669	15	00	653	16	30
660	662	663	663	663	664	664	664	666	662							20	
661	663	664	664	664	664	664	663	664	662							15	

DECEMBER, 1908.

33500 γ PLUS TABULAR QUANTITIES.

658	655	652	652	653	656	657	659	662	656	1	00	664	11	26	639	25	1
661	661	658	656	656	658	658	661	665	658	24	00	665	11	00	648	17	2
655	656	656	654	655	658	658	660	662	656	3	00	667	12	36	640	27	3
657	665	647	631	656	662	673	670	688	660	22	03	674	18	57	627	47	4
669	659	675	674	669	668	667	663	663	668	3	54	693	10	15	652	41	5
655	664	664	667	665	662	658	658	658	659	4	00	670	13	38	640	30	6
650	654	654	656	657	657	657	657	658	656	5	00	667	14	00	643	24	7
658	659	661	663	664	664	662	663	662	658	6	00	665	12	21	639	26	8
656	656	658	662	664	662	660	660	659	658	7	00	665	12	00	648	17	9
648	649	653	654	657	658	657	656	656	654	7	00	663	14	00	644	19	10
648	651	653	655	655	656	656	659	657	651	23	00	659	12	21	636	23	11
648	646	648	648	649	652	652	653	653	651	1	23	659	12	00	640	19	12
652	651	651	651	655	656	658	660	663	651	24	00	663	12	00	641	22	13
646	646	647	648	649	651	652	654	657	652	1	00	664	10	00	642	22	14
652	647	647	648	648	650	651	654	658	651	24	00	658	11	00	640	18	15
646	648	648	648	648	650	651	656	657	651	0	15	661	13	00	642	19	16
650	651	650	649	651	649	651	654	656	651	3	00	657	13	00	645	12	17
648	648	651	653	654	650	650	651	659	651	4	00	659	12	00	638	21	18
658	655	654	655	655	653	652	654	654	655	3	15	662	10	00	646	16	19
660	658	658	657	656	654	655	655	655	654	16	00	660	11	13	637	23	20
655	657	659	658	657	656	655	653	653	654	4	00	659	11	40	632	27	21
657	659	660	661	659	659	658	657	658	655	19	00	661	10	28	640	21	22
647	652	658	661	660	661	660	657	656	652	6	00	662	10	29	633	29	23
654	657	660	660	659	659	659	659	658	657	5	00	663	11	23	646	17	24
649	649	654	653	655	655	653	653	652	652	7	00	663	10	52	631	32	25
644	651	654	656	659	659	661	661	662	650	24	00	662	11	18	626	36	26
650	652	656	657	659	659	659	659	658	654	0	00	662	12	34	645	17	27
644	650	653	652	657	658	661	661	661	653	22	00	661	10	00	643	18	28
646	647	648	649	649	652	656	657	657	651	0	00	661	12	00	643	18	29
647	649	652	652	653	654	655	657	659	650	24	00	659	9	50	629	30	30
649	648	648	649	648	648	648	647	652	649	0	00	659	9	12	634	25	31
652	653	654	654	656	656	657	657	658	654							24	
654	654	656	656	656	657	657	658	658	654							21	

EARTHQUAKES.

In September, 1903, a Bosch-Omori seismograph comprising two horizontal pendulums, one recording north-south motion (N) and the other recording east-west motion (E), was mounted in a room on the ground floor of the old fort. In March, 1907, it was transferred to the seismograph house at the new observatory site. It is mounted on four stone piers, 20 inches square and 32 inches deep. The following table is a register of the earthquakes recorded during 1907 and 1908. The times are Greenwich mean time, counted from midnight. From March 19 to April 12, 1907, the instrument was being moved to the new site, and hence no record was obtained.

Magnification 10
Steady mass 10-12 kg.

Period of pendulums.

N.			E.	
1907.		<i>s</i>	1907.	
January to March.....		25	January to April.....	
April to November.....		27	May to June.....	
December.....		30	July to September.....	
1908.			October to December.....	
January to December.....		25	1908.	
			January to December.....	
			24	

Register of earthquakes.

No.	Date	Component	First P. T. begin	Second P. T. begin	Large waves begin	Maximum	End of principal portion	End	Maximum amplitude
	1907.		<i>h m s</i>	<i>h m s</i>	<i>h m s</i>	<i>h m s</i>	<i>h m</i>	<i>h m</i>	<i>mm</i>
142	Jan. 2	N	12 25 ..	.. .. .	.. .. .	12 55 ..	.. ..	14 45	0.2
	2	E	12 17 ..	.. .. .	.. .. .	12 55 ..	.. ..	15 28	0.2
143	4	N	5 39 02	.. .. .	6 33 58	6 50 38	.. ..	8 03	1.0
	4	E	5 38 52	.. .. .	6 32 00	6 49 24	.. ..	8 25	1.0
144	Apr. 15	N	6 14 06	6 14 34	6 19 50	6 26 22	.. ..	.. ..	80.0
	15	E	6 14 07	6 14 40	6 20 19	6 26 15	6 34	7 52	67.0
145	June 1	N	8 45 30	.. .. .	8 49 26	8 49 52	9 08	11 00	4.2
	1	E	8 45 26	.. .. .	8 49 26	8 49 54	9 05	11 00	6.4
146	5	N	3 26 26	.. .. .	3 30 34	3 30 54	.. ..	4 41	6.8
	5	E	3 26 26	.. .. .	3 30 40	3 31 02	.. ..	4 33	2.6
147	13	N	10 06 30	10 14 06	10 26 06	10 30 46	.. ..	11 04	0.5
	13	E	10 07 04	10 14 18	10 20 50	10 21 10	.. ..	11 08	0.5
148	July 1	N	13 12 00	13 16 06	13 17 38	13 19 22	13 25	14 36	12.1
	1	E	13 11 58	13 16 02	13 17 10	13 21 54	13 24	14 32	40.0
149	4	N	0 22 00	.. .. .	.. .. .	.. .. .	.. ..	0 22	0.2
	4	E	0 22 00	.. .. .	.. .. .	.. .. .	.. ..	0 22	0.2
150	29	N	.. .. .	.. .. .	1 12 ..	.. .. .	1 32	.. ..	0.1
	29	E	.. .. .	.. .. .	1 13 ..	.. .. .	1 39	.. ..	0.1
151	Aug. 5	N	6 46 49	.. .. .	.. .. .	6 56 27	.. ..	7 18	1.0
	5	E	6 47 30	.. .. .	.. .. .	6 56 19	.. ..	7 08	2.1
152	Sept. 2	N	16 14 03	16 26 10	16 39 26	17 01 48	17 06	19 12	10.4
	2	E	16 14 56	16 26 08	16 39 06	16 55 20	17 03	19 22	4.9
153	4	N	14 45 15	.. .. .	14 45 39	.. .. .	14 46	14 47	0.2
	4	E	14 45 15	.. .. .	14 45 39	.. .. .	14 46	14 47	0.2
154	6	N	12 51 58	12 52 46	.. .. .	12 53 10	.. ..	13 03	0.2
	6	E	12 51 57	12 52 47	.. .. .	12 53 23	.. ..	12 58	0.2
155	Oct. 16	N	.. .. .	.. .. .	14 20 51	14 23 16	14 31	15 16	6.0
	16	E	14 03 25	14 12 10	14 21 22	14 27 22	14 35	15 35	1.6
156	17	N	11 26 04	.. .. .	11 30 05	11 38 10	.. ..	11 54	0.5
	17	E	11 26 02	.. .. .	11 29 59	11 32 45	.. ..	11 47	0.2
157	Dec. 22	N	10 02 56	.. .. .	.. .. .	.. .. .	.. ..	10 03.3	0.1
	22	E	10 02 56	.. .. .	.. .. .	.. .. .	.. ..	10 03.3	0.1
158	30	N	5 31 42	.. .. .	5 36 24	5 42 38	5 50	6 56	22.0
	30	E	5 31 44	5 35 55	5 37 38	5 43 39	5 50	6 52	12.1
	1908.								
159	Feb. 1	N	23 17 04	.. .. .	23 21 19	23 27 07	.. ..	24 03	0.5
	1	E	23 16 56	.. .. .	23 21 17	23 27 23	.. ..	24 04	0.6
160	9	N	3 29 11	3 33 04	3 34 58	3 40 11	.. ..	3 58	...
	9	E	3 29 09	3 32 54	3 35 20	3 39 15	.. ..	4 00	...
161	9	N	9 10 43	9 14 40	.. .. .	9 23 15	.. ..	9 42	0.2
	9	E	9 10 53	9 15 10	.. .. .	.. .. .	.. ..	9 30	...

Register of earthquakes—Continued.

No.	Date	Component	First P. T. begin	Second P. T. begin	Large waves begin	Maximum	End of principal portion	End	Maximum amplitude
	1908.		<i>h m s</i>	<i>h m s</i>	<i>h m s</i>	<i>h m s</i>	<i>h m</i>	<i>h m</i>	<i>mm</i>
162	Feb. 11	N	13 03 09	.. .. .	.. .. .	13 06 36	.. .. .	13 30	0.2
	11	E	13 02 51	.. .. .	.. .. .	13 06 37	.. .. .	13 30	0.1
163	14	N	8 56 09	.. .. .	9 00 38	9 00 58	9 05	9 27	1.0
	14	E	8 56 10	.. .. .	9 00 40	9 01 02	9 04	9 30	0.7
164	20	N	10 35 14	.. .. .	.. .. .	.. .. .	.. .. .	10 36	...
	20	E	10 35 05	.. .. .	.. .. .	.. .. .	.. .. .	10 36	...
165	20	N	22 22 10	.. .. .	.. .. .	22 28 40	.. .. .	22 30	0.2
	20	E	22 23 30	.. .. .	.. .. .	22 28 30	.. .. .	22 29	0.2
166	22	N	17 35 31	.. .. .	.. .. .	.. .. .	.. .. .	17 36	...
	22	E	17 35 30	.. .. .	.. .. .	.. .. .	.. .. .	17 36	...
167	22	N	18 37 34	.. .. .	.. .. .	.. .. .	.. .. .	18 38	...
168	Mar. 5	N	2 47 40	.. .. .	3 31 ..	3 36 42	.. .. .	4 04	0.2
	5	E	.. .. .	.. .. .	3 31 ..	3 37 ?	.. .. .	3 50?	...
169	25	N	18 59 55	.. .. .	19 04 53	19 11 00	.. .. .	.. .. .	1.1
	25	E	19 00 00	.. .. .	19 04 12	19 07 30	.. .. .	19 45	0.3
170	26	N	22 48 33	.. .. .	.. .. .	.. .. .	.. .. .	22 51	...
	26	E	22 48 32	.. .. .	.. .. .	.. .. .	.. .. .	22 50	...
171	26	N	23 09 45	23 15 07	23 18 47	23 21 34	.. .. .	.. .. .	40.9
						23 25 40	23 31	25 05	36.9
	26	E	23 09 47	23 15 14	23 18 57	23 21 50	.. .. .	.. .. .	15.2
						23 24 30	23 30	25 06	23.4
172	27	N	3 54 01	3 59 00	4 02 20	4 10 30	.. .. .	4 51	1.2
	27	E	3 53 44	3 58 52	4 02 58	4 08 54	.. .. .	4 48	0.6
173	Apr. 23	N	.. .. .	.. .. .	0 33 50	0 51 33	.. .. .	1 09	0.1
	23	E	.. .. .	.. .. .	0 34 ..	0 44 30	.. .. .	1 12	...
174	30	N	4 57 59	.. .. .	5 02 40	5 08 10	.. .. .	5 33	0.1
	30	E	4 58 00	.. .. .	5 03 32	5 10 10	.. .. .	5 26	0.1
175	May 5	N	6 38 ..	.. .. .	.. .. .	7 46 35	.. .. .	8 30	0.1
	5	E	6 31 ?	.. .. .	.. .. .	7 45 50	.. .. .	8 20	...
176	11	N	20 05 21	.. .. .	20 06 27	20 06 37	.. .. .	20 20	...
	11	E	20 05 23	.. .. .	20 06 27	20 06 35	.. .. .	20 18	...
177	May 11	N	21 09 47	21 10 09	21 10 57	21 11 13	21 12	21 29	0.2
	11	E	21 09 30	.. .. .	21 10 53	21 11 09	21 12	21 20	0.2
178	15	N	8 51 51	.. .. .	9 04 ..	9 14 38	.. .. .	10 36	0.4
	15	E	8 51 33	.. .. .	9 02 ..	9 06 09	.. .. .	10 44	0.2
179	17	N	21 42 04	.. .. .	.. .. .	21 47 04	.. .. .	21 58	0.1
	17	E	21 42 04	.. .. .	.. .. .	21 46 50	.. .. .	21 51	...
180	Aug. 2	N	5 55 53	.. .. .	.. .. .	5 57 01	.. .. .	6 03	0.3
	2	E	5 56 01	.. .. .	.. .. .	5 57 05	.. .. .	6 03	0.2
181	14	N	0 49 34	0 56 52	.. .. .	1 06 38	.. .. .	1 29	0.4
	14	E	0 50 44	0 56 52	.. .. .	1 07 18	.. .. .	1 26	0.1
182	17	N	10 50 18	11 00 27	11 16 27	11 34 37	.. .. .	12 21	2.1
	17	E	10 50 24	11 00 20	11 18 35	11 21 54	.. .. .	12 00	0.8
183	20	N	9 20 ..	.. .. .	.. .. .	9 58 10	.. .. .	10 33?	0.1
	20	E	9 19 ..	9 31 20	.. .. .	9 53 52	.. .. .	10 44?	0.1
184	Sept. 5	N	16 11 01	.. .. .	.. .. .	.. .. .	.. .. .	16 11.4	0.3
	5	E	16 10 45	.. .. .	.. .. .	.. .. .	.. .. .	16 11.4	0.2
185	21	N	6 59 14	.. .. .	.. .. .	.. .. .	.. .. .	7 35	0.1
	21	E	6 59 06	.. .. .	.. .. .	7 23 08	.. .. .	7 35	0.1
186	Oct. 13	N	5 13 51	5 18 29	5 24 17?	5 25 41	5 30	6 14	0.7
	13	E	5 13 19	5 18 41	5 24 31	5 27 23	5 31	6 08?	0.7
187	20	N	?	.. .. .	.. .. .	15 31 03	.. .. .	15 34?	0.1
	20	E	15 17 47	15 27 51	.. .. .	15 31 41	.. .. .	15 36	0.1
188	Nov. 2	N	5 58 34	.. .. .	6 46 04	7 03 34	.. .. .	7 24	0.1
189	6	N	8 00 ..	.. .. .	.. .. .	8 18 43	.. .. .	8 37	0.1
	6	E	8 01 ..	.. .. .	.. .. .	8 15 ..	.. .. .	8 26	0.1
190	Dec. 17	N	15 55 ..	.. .. .	.. .. .	.. .. .	.. .. .	15 59	0.1
	17	E	15 55 ..	.. .. .	.. .. .	.. .. .	.. .. .	15 59	0.3
191	28	N	4 31 45	4 39 58	.. .. .	4 55 00	.. .. .	5 42	0.7
	28	E	4 31 41	4 41 06	.. .. .	4 55 00	.. .. .	5 58	0.6

REMARKS.

No. 144: Tracing stylus of N went off the paper at maximum.

Nos. 149, 153, 154, 157, 170, 184: Local shocks.

No. 155: First and second phases on N indeterminate on account of faint trace.

Nos. 164, 166, 167: Very rapid minute vibrations; possibly local shocks.

No. 171: Two well-defined maxima. The recorded time of the second P. T. may be the beginning of the large waves

Nos. 176, 177: Small, not far distant.

Nos. 183, 189: Beginning and end uncertain.

No. 188: Impossible to distinguish phases on E.

No. 190: Series of long waves.

MAGNETIC STORMS.

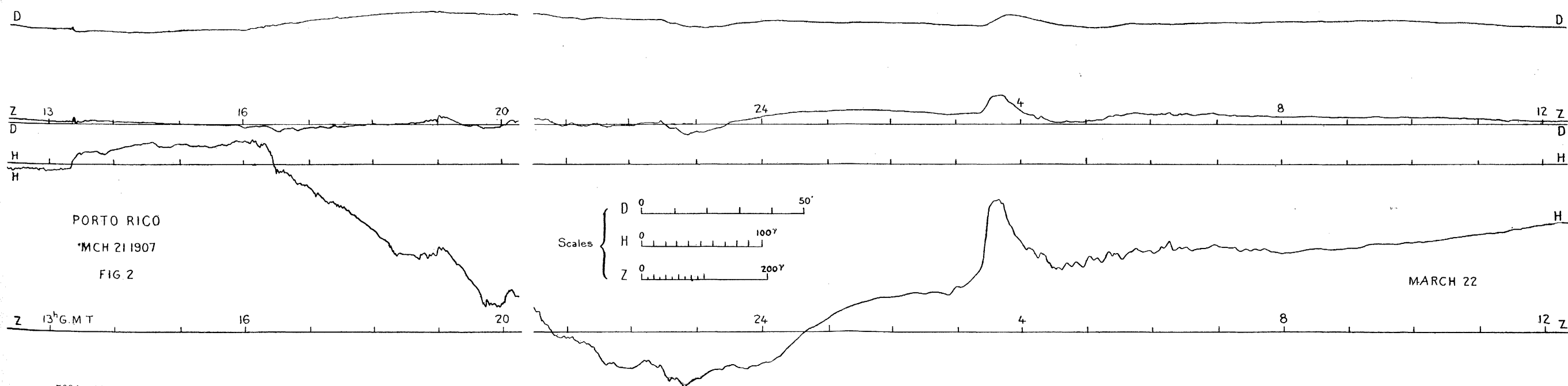
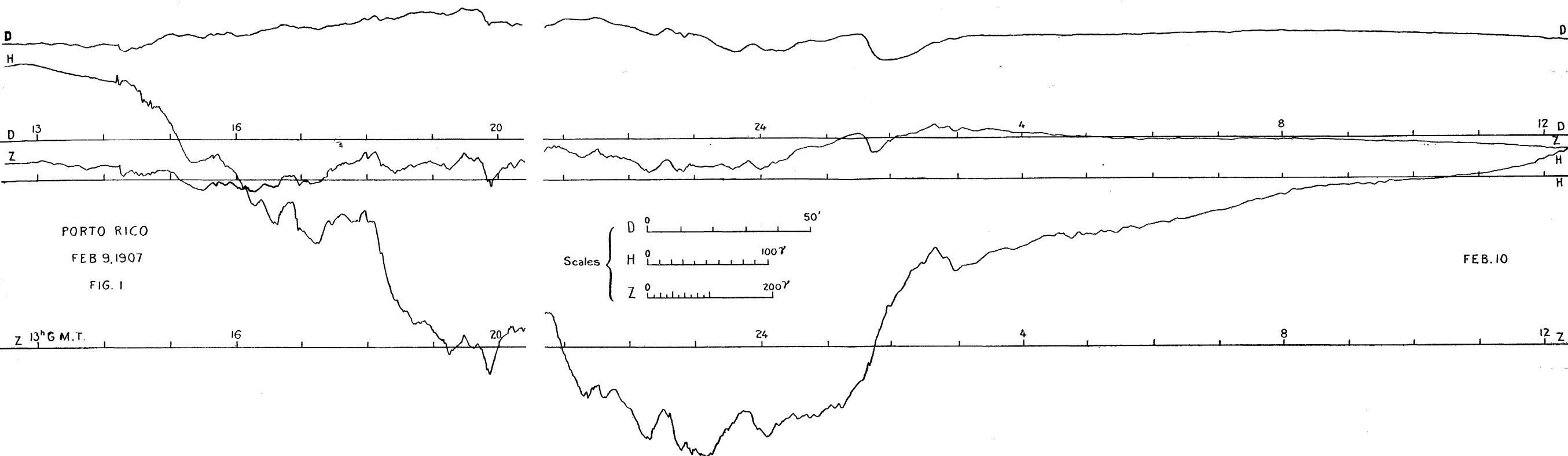
Magnetic disturbances of considerable magnitude were recorded on the days tabulated below. The table gives the local mean time of the beginning of a disturbance, the approximate duration, and the magnitude, indicated by the figures 1, 2, 3, 4. When the storm began abruptly the time of beginning is given to the nearest minute.

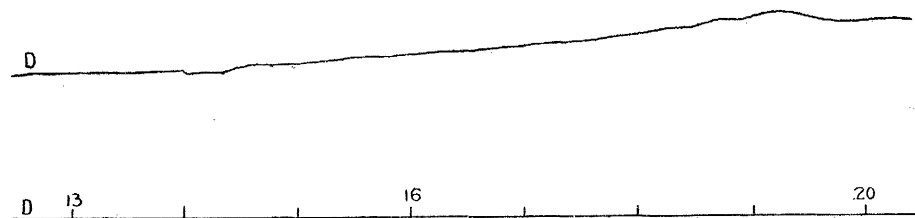
On the succeeding pages will be found reproductions of the magnetograms showing the principal magnetic storms, reduced to three-fourths the original size. The storms selected for reproduction are indicated in the table by an asterisk after the date. An upward motion of the curves corresponds to increasing west declination, increasing H , and increasing Z .

For convenience in comparing with similar reproductions for other observatories, the time scale has been marked for *Greenwich mean time*.

Principal magnetic disturbances.

Date	L. M. T. of beginning		Duration in hours	Relative magnitude	Date	L. M. T. of beginning		Duration in hours	Relative magnitude
1907.	<i>h</i>	<i>m</i>			1908.	<i>h</i>	<i>m</i>		
Jan. 11	4	28	28	1	Jan. 8	20		29	2
Jan. 14	15		18	1	Jan. 27	9	24	24	1
Feb. 6*	14		90	3	Feb. 4	20		73	1
Feb. 13	15	27	68	2	Feb. 11	10		24	1
Feb. 21	16		30	1	Feb. 22	7	50	56	1
Feb. 23	16		57	1	Feb. 29	21		99	3
Mar. 10	0	41	71	2	Mar. 7	22		52	2
Mar. 21*	8	59	19	2	Mar. 19	17		30	1
Apr. 13	20		30	1	Mar. 26*	4		120	4
Apr. 15	18		32	1	Apr. 6	2		48	2
May 12	11		76	1	Apr. 14	22		26	1
May 18*	9	36	43	2	Apr. 30	22		47	1
May 28	3		37	2	May 10	8		18	1
June 3	18	33	25	1	May 22*	16		180	3
June 9	16		72	1	June 3	14	20	22	1
June 17	23	21	72	2	June 14*	22		73	2
June 21	16		40	1	July 7*	23		30	2
July 1	16		34	1	July 12*	10	59	24	1
July 6	17		33	1	July 18*	19	54	18	1
July 10*	10	01	23	2	Sept. 4	11		37	1
July 24	23	55	24	1	Sept. 11*	2	59	30	3
July 26	23		53	2	Sept. 28*	4	19	72	3
Aug. 20	14		44	1	Oct. 11	19		61	1
Aug. 30*	2	52	24	2	Oct. 31	2		30	1
Sept. 9	21	29	60	2	Nov. 7	20		60	1
Sept. 17	4	22	52	2	Nov. 16	20	40	30	1
Oct. 13*	3	22	72	2	Dec. 4	4		48	1
Oct. 21	19		28	1					
Nov. 9	21		16	1					
Nov. 21*	6	22	38	2					

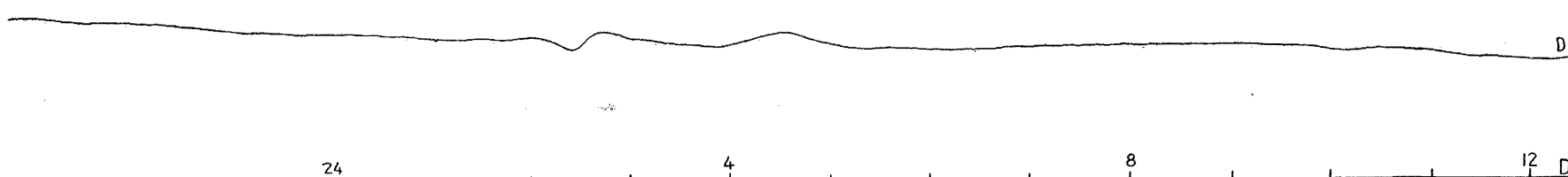
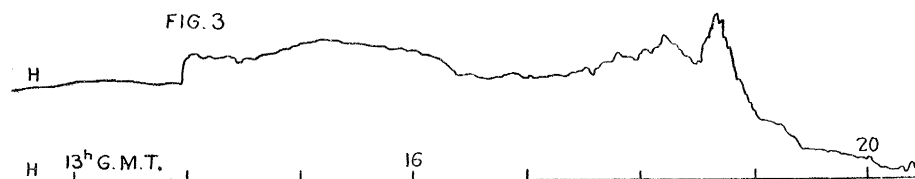




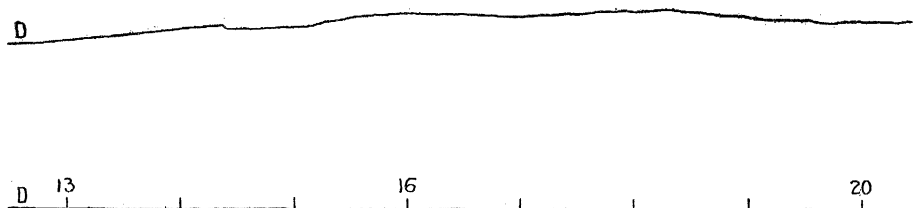
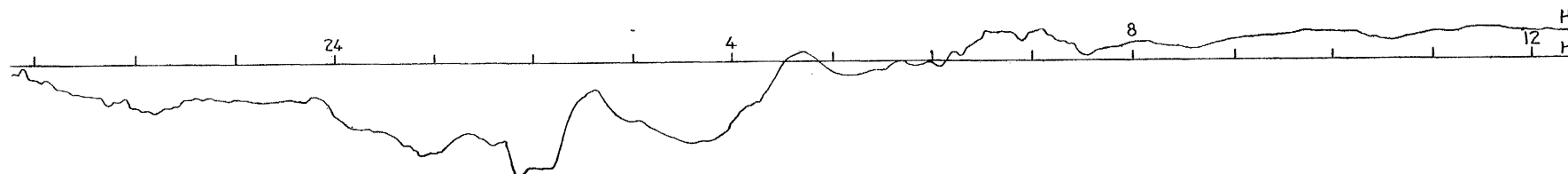
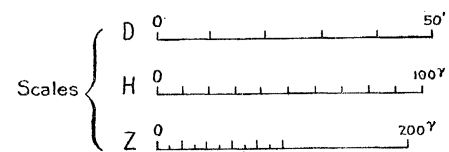
PORTO RICO

MAY 18, 1907

FIG. 3



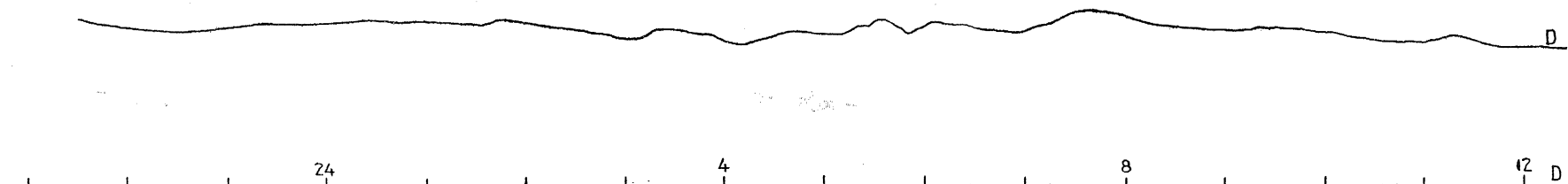
MAY 19



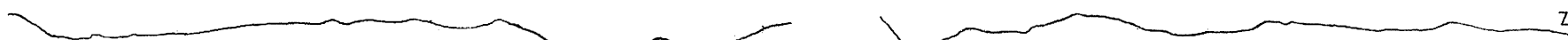
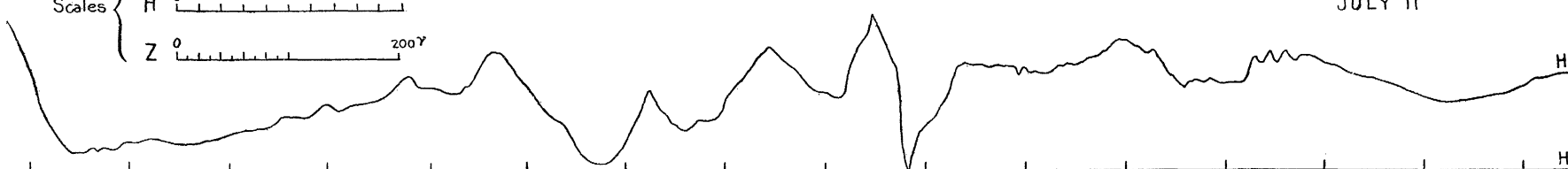
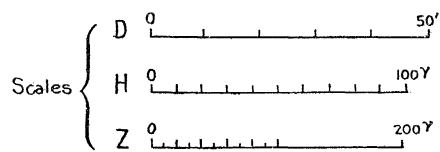
PORTO RICO

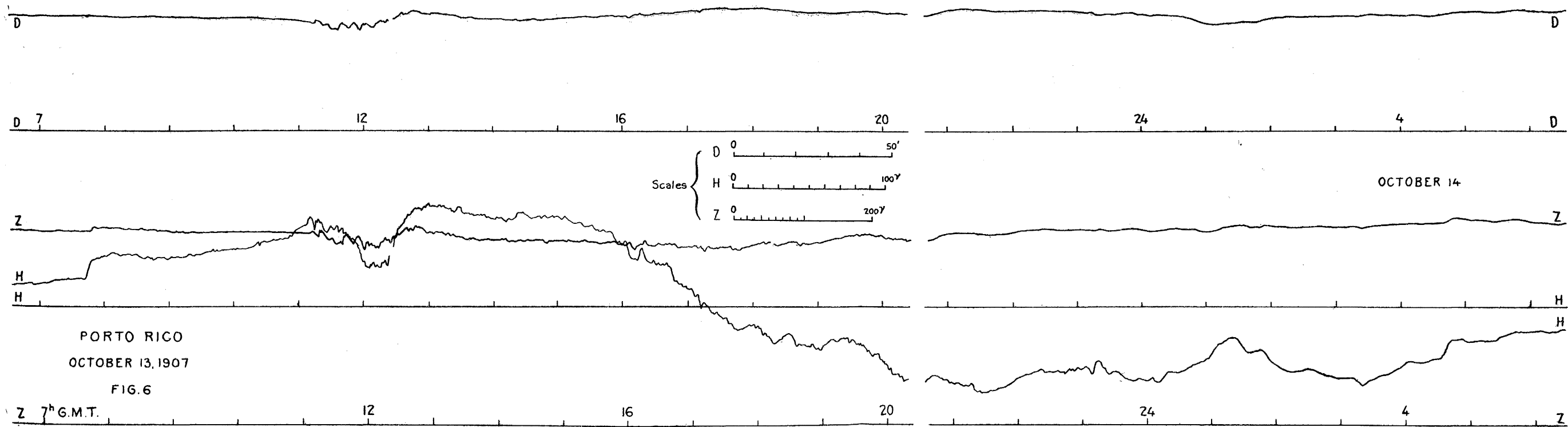
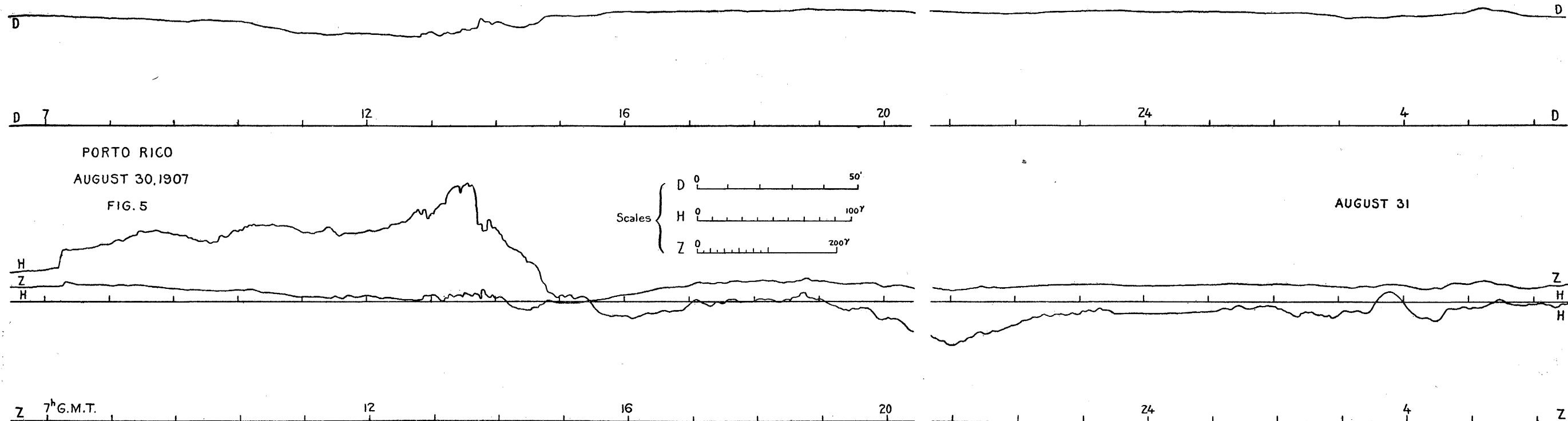
JULY 10, 1907

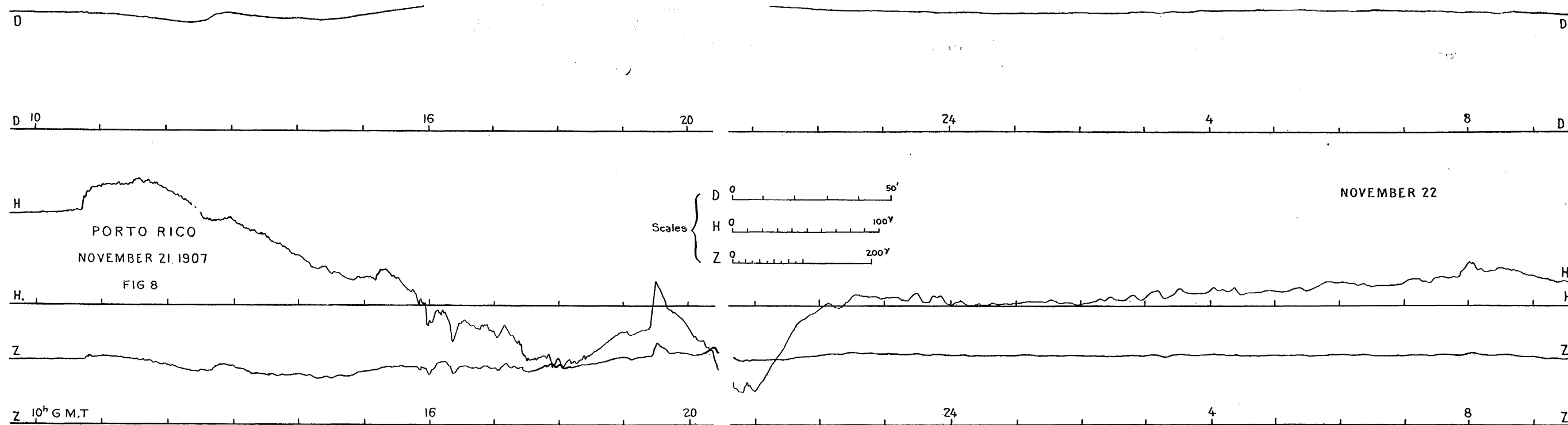
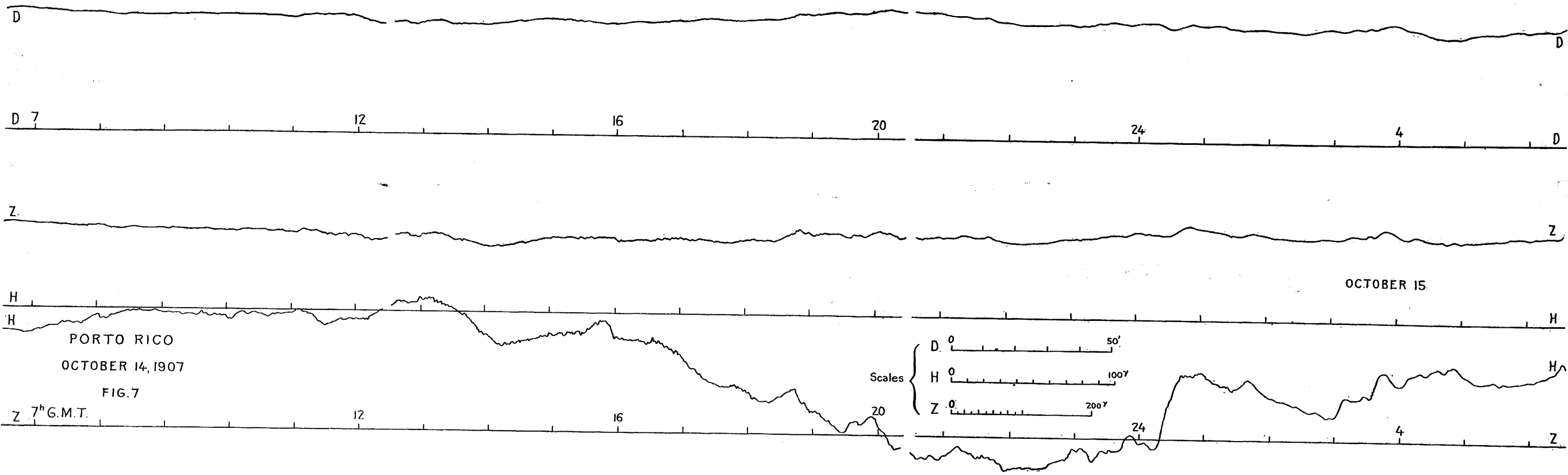
FIG. 4

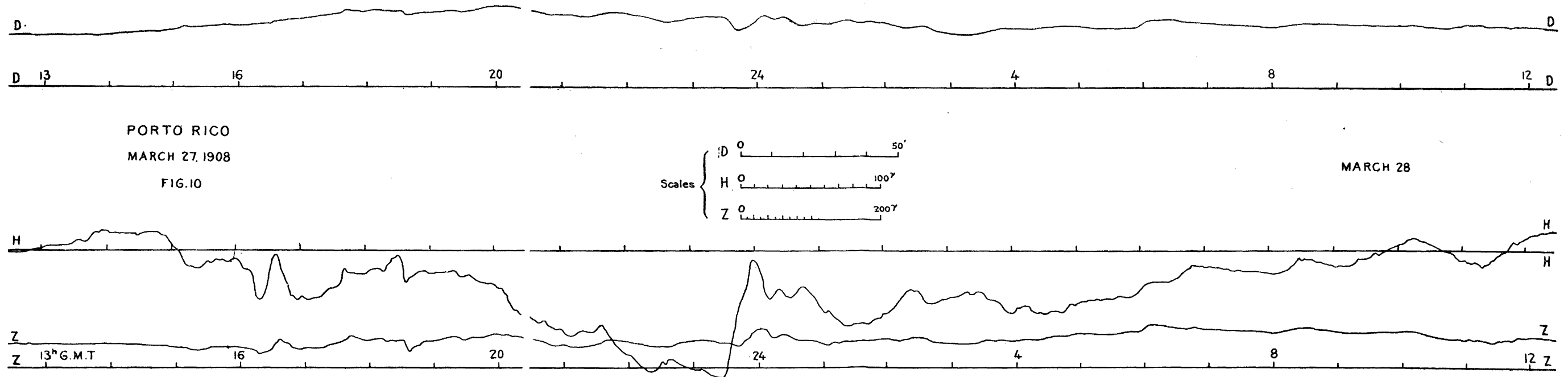
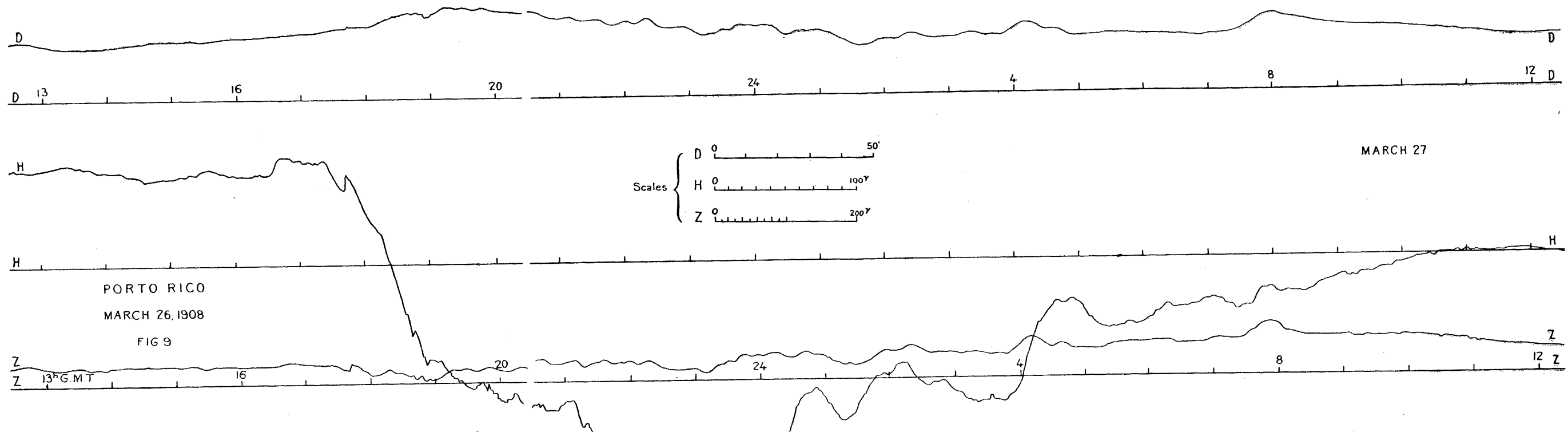


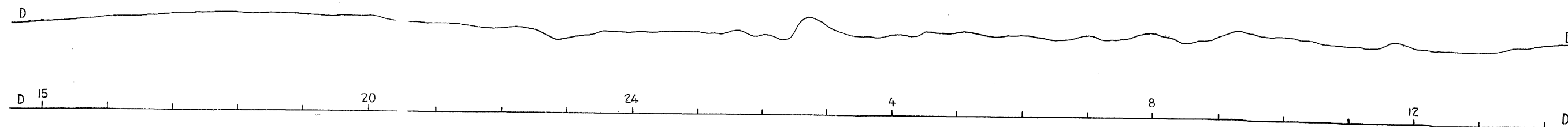
JULY 11







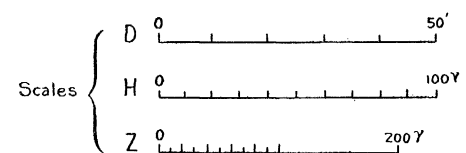




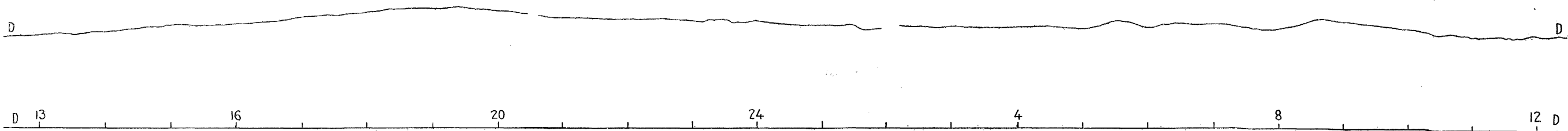
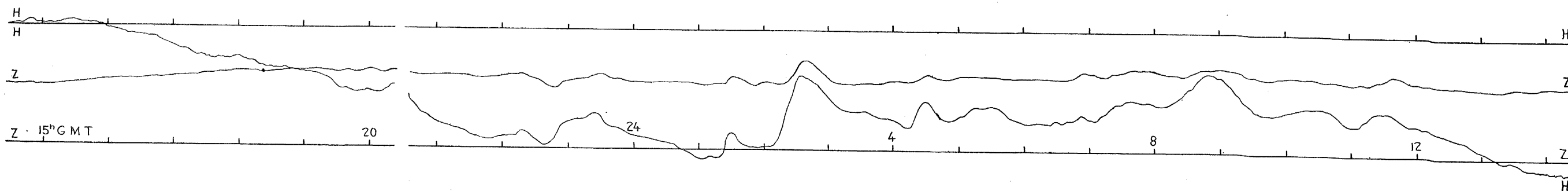
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MAY 25, 1908

FIG. 11



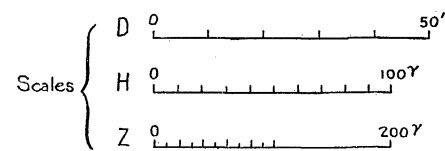
MAY 26



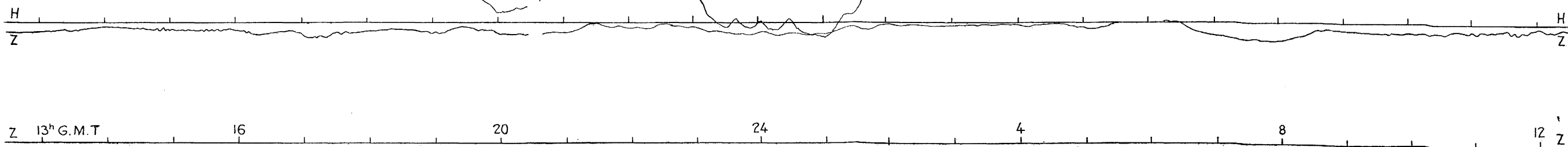
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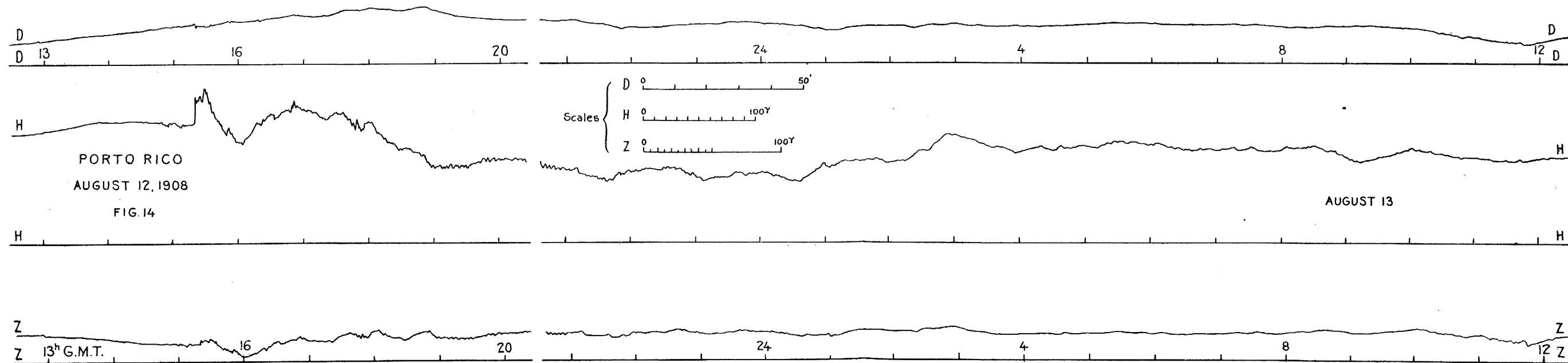
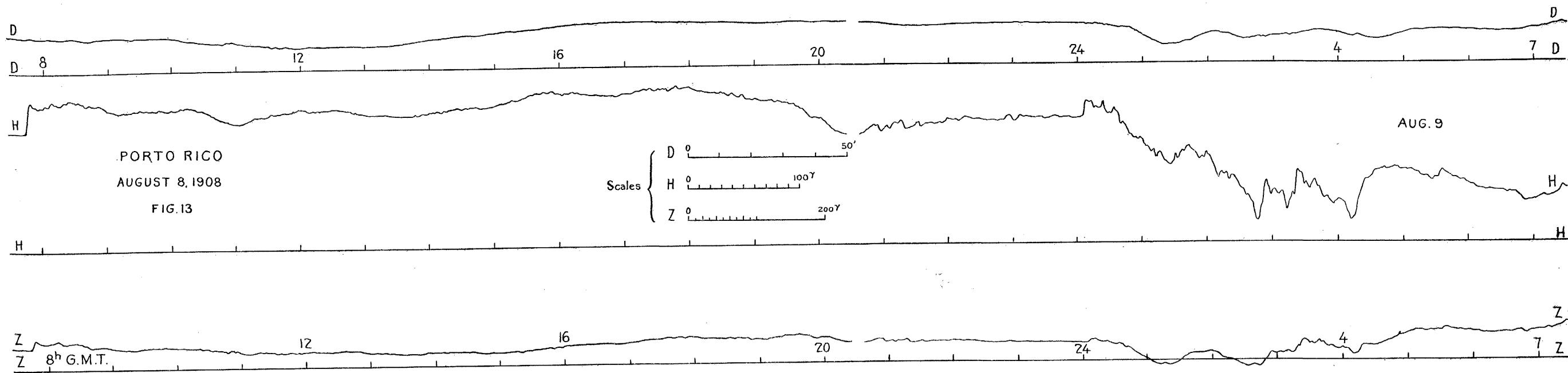
JULY 15, 1908

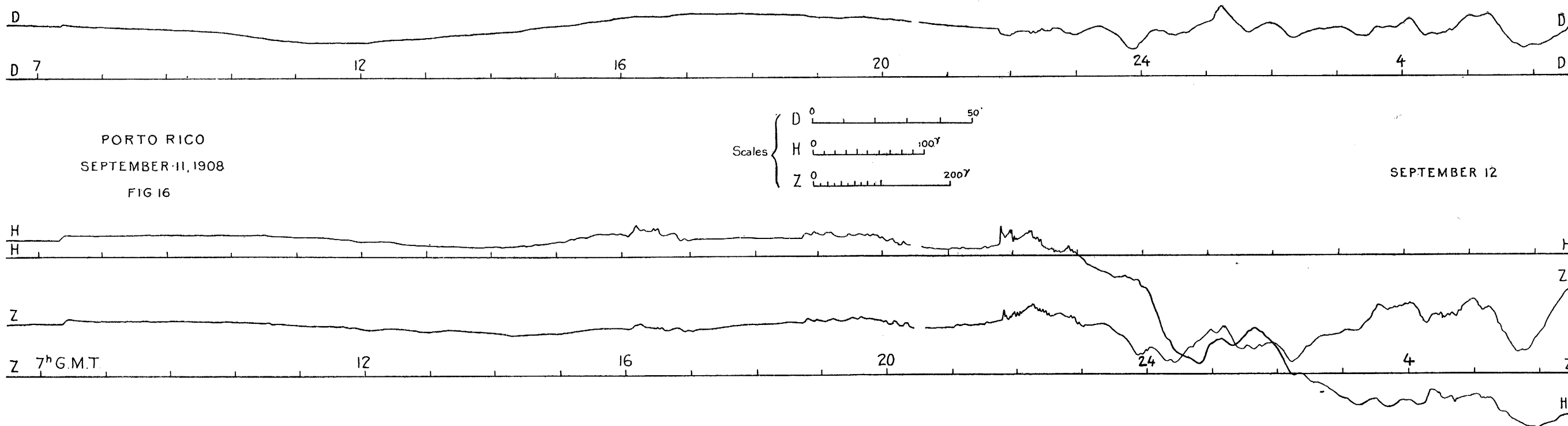
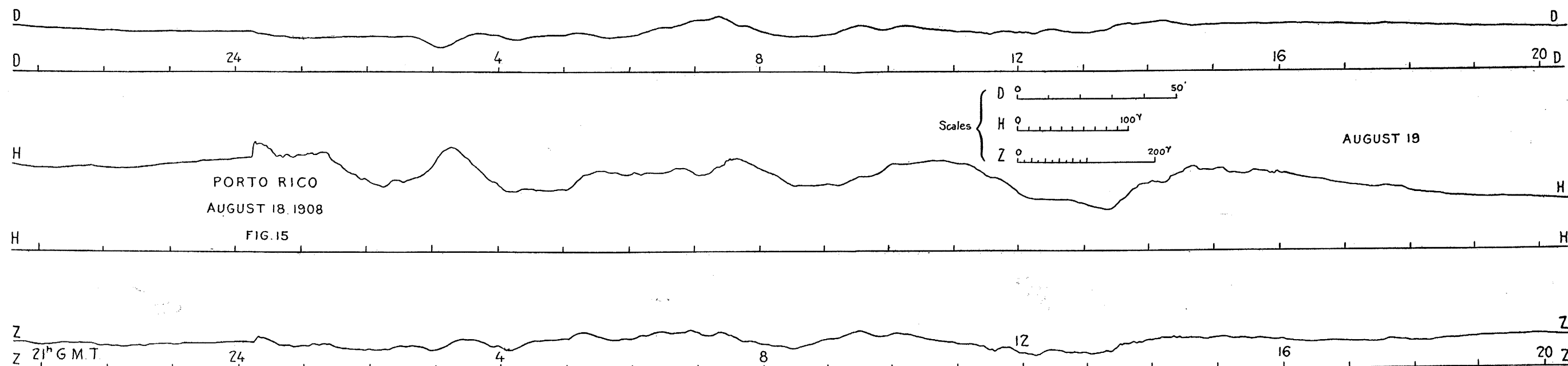
FIG. 12

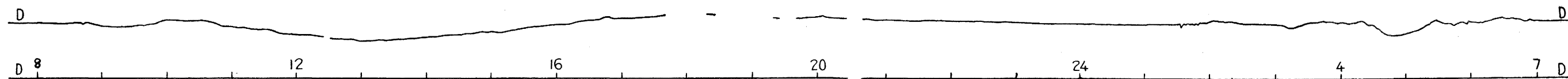


JULY 16



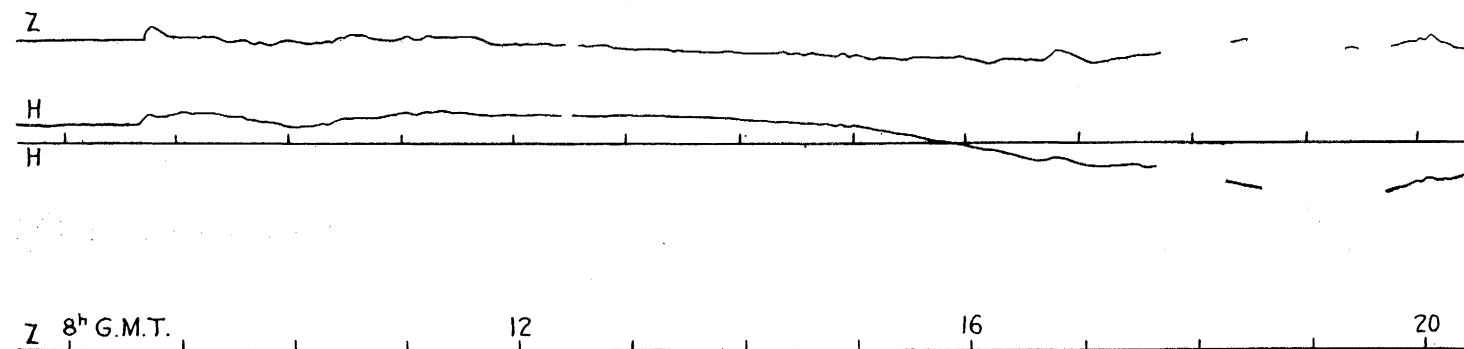






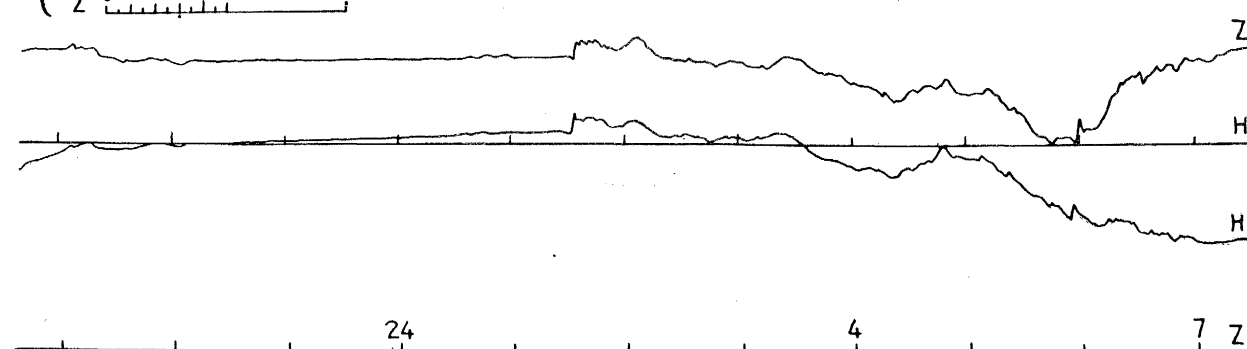
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SEPTEMBER 28, 1908

FIG. 17



Scales { D 0 50'
H 0 200Y
Z 0 200Y

SEPTEMBER 29



PORTO RICO
SEPTEMBER 29, 1908

FIG. 18

Scales { D 0 50'
H 0 200Y
Z 0 200Y

SEPTEMBER 30

